

AVINASH M

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SUMMARY

Results-driven MCA student and Full Stack Developer with 7+ months of hands-on experience building and deploying production-grade web applications using React.js, Node.js, Spring Boot, and PostgreSQL. Skilled in cloud infrastructure (AWS), CI/CD pipelines, and workflow automation with n8n and LLM integrations. Certified in AI/ML Engineering and Data Science, with a proven ability to deliver end-to-end solutions across the full development lifecycle. Adept at Agile workflows, REST API design, JWT-based authentication, and database optimization. Seeking a Full Stack / Backend Developer role to contribute to scalable, impact-driven products.

WORK EXPERIENCE

Pyayogeek — Full Stack Developer

Full Time · 4 months

- Led end-to-end development of a production dashboard application using React.js, Node.js, n8n, and Supabase, reducing manual reporting time by ~40% through automated LLM-powered workflows.
- Designed and implemented RESTful backend services with Node.js; integrated n8n CI/CD-style pipelines to automate AI task handling, improving response throughput by ~35%.
- Managed Supabase PostgreSQL databases handling 10,000+ records, implementing row-level security policies and optimized queries that cut average response time by 25%.
- Deployed and maintained 3 production applications via Coolify on Hostinger, achieving 99%+ uptime and streamlining CI/CD deployment pipelines.

Pyayogeek — Full Stack Developer Intern

Internship · 3 months

- Built Node.js backend services and automated 5+ complex workflows with n8n, enabling seamless LLM integration and reducing AI task latency by ~30%.
- Maintained Supabase PostgreSQL databases with secure API configurations; implemented JWT-based authentication and access controls for 2 live applications.
- Contributed to Coolify-based deployment workflows on Hostinger, supporting a stable Agile release cycle across the team.

UTL Technology — Cloud Computing (AWS) Intern

Internship · 1 month

- Assisted in migrating 2+ applications and their databases to AWS Cloud (EC2, S3, RDS), reducing infrastructure costs by ~20% through right-sizing and cloud-native configurations.
- Implemented IAM roles, policies, and MFA enforcement to strengthen cloud security and enforce least-privilege access across all environments.
- Configured VPCs, subnets, routing tables, and security groups, establishing a secure and well-architected multi-tier networking environment.

Reactor — Low Code Developer Intern

Internship · 3 months

- Built and delivered 4+ business applications using the Devum low-code platform, cutting typical development time by ~50% compared to traditional approaches.
- Designed automated workflow logic and process orchestration to enhance application functionality, reducing manual operational steps by ~60%.

EDUCATION

Master of Computer Application (MCA)

2025 – 2027

Ramaiah University of Applied Sciences, Bengaluru · SGPA: 8.6

- Active in hackathons and real-world problem-solving competitions; consistently ranked in top performers.

Bachelor of Computer Application (BCA)

2022 – 2025

Community Institute of Management Studies · CGPA: 9.2

- Graduated with distinction; built a strong foundation in data structures, algorithms, OOP, and database management.

SKILLS

Languages	Java, Python, JavaScript (ES6+), TypeScript, C
Frontend	React.js, HTML5, CSS3, Responsive Design, REST consumption
Backend	Node.js, Express.js, Spring Boot, Hibernate, REST APIs, Microservices, JWT / OAuth
Databases	PostgreSQL (Supabase), MongoDB, MySQL, SQL query optimization
Cloud & DevOps	AWS (IAM, VPC, EC2, S3, RDS), Docker (basics), CI/CD pipelines, Linux, Git, GitHub, Coolify
AI / Data	Machine Learning, Deep Learning, Data Science, n8n (LLM workflows), TensorFlow, Scikit-learn
Methods & Tools	Agile / Scrum, Postman, VS Code, IntelliJ IDEA, Devum (Low-Code)

CERTIFICATES

NCVET — AI Machine Learning Engineer

Nationally recognized certification covering supervised/unsupervised learning, neural network architectures, model training & evaluation, and ML model deployment. Hands-on with NumPy, Pandas, Scikit-learn, and TensorFlow; built end-to-end ML pipelines including data preprocessing, feature engineering, and hyperparameter tuning.

Udemy — MERN Full Stack Development

Comprehensive full-stack certification covering React.js, Node.js, Express.js, and PostgreSQL. Projects included RESTful API design, JWT authentication, Redux state management, and cloud deployment — directly applicable to production full-stack development.

GUVI — Data Science

Hands-on Data Science program covering the full data pipeline: collection, cleaning, EDA, statistical modelling, and visualization using Pandas, Matplotlib, Seaborn, and Scikit-learn. Completed projects in regression, classification, and clustering.

PROJECTS

DMS — Document Management System

Tech Stack: Spring Boot · PostgreSQL · REST API · JWT · Java

- Architected a production-grade backend using Spring Boot and PostgreSQL, supporting full CRUD operations and metadata management for 1,000+ document records.
- Implemented JWT-based authentication, role-based access control (RBAC), and encrypted API endpoints — reducing unauthorized access to zero in testing.
- Designed a clean REST API layer with Swagger documentation, enabling seamless integration with frontend clients and third-party services.

Food Restaurant Web Application

Tech Stack: MongoDB · Express.js · React.js · Node.js (MERN) · JWT

- Built a full-stack restaurant platform using the MERN stack, handling 100+ concurrent menu items with real-time order tracking and cart management.
- Developed a responsive React.js frontend with dynamic routing, cart state management, and an intuitive UX — reducing average order completion time by ~20%.
- Implemented a Node.js/Express backend with RESTful APIs, JWT authentication, and MongoDB data persistence for order processing and user management.