

Bhanuprakash Peddi

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Portfolio: [bhanuprakashpeddi.tech](#) [✉](#)
GitHub: [bhanuprakash-peddi](#) [✉](#)
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Objective

A Computer Science undergraduate student with experience building full-stack applications using React, Node.js, and Spring Boot. Seeking a software development role to apply a strong foundation in algorithms and system design to solve complex, user-centric problems.

Education

KL Deemed to be University, Vijayawada, Andhra Pradesh B.Tech in Computer Science & Engineering CGPA: 9.21 / 10.00 <i>Relevant Coursework:</i> Data Structures & Algorithms, Object-Oriented Programming, DBMS	<i>June 2022 – June 2026</i> <i>(Expected)</i>
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Technical Skills

Languages: Java, Python(Basic), JavaScript, C/C++
Frameworks & Libraries: Node.js, React, Express.js, Spring Boot
Databases: MySQL, MongoDB, PostgreSQL, Prisma ORM
Cloud & DevOps: AWS (S3, Lambda, API Gateway, CloudFront), Docker, GitHub Actions, Git
Testing: JUnit, React Testing Library
Soft Skills: Time Management, Leadership, Communication

Projects

Grievance Management System

Project Repository [✉](#)

- Engineered a serverless backend (AWS Lambda, API Gateway) that cut operational costs by 70% and supported 500+ concurrent users.
- Secured the backend with JWT/RBAC authentication and optimized MongoDB schemas with indexing to achieve 200ms query latency.
- Developed a modular React frontend, improving code maintainability by 30% and accelerating feature delivery.
- Automated the CI/CD pipeline using GitHub Actions and Docker for reliable, one-click deployments to AWS.

Store Inventory Management System

Project Repository [✉](#)

- Built and tested a robust REST API (Node.js, TypeScript, Jest), achieving 90% code coverage and reducing runtime errors by 40
- Integrated a demand forecasting module with an ARIMA time-series model, improving inventory turnover by 15% in simulations.
- Designed a dynamic dashboard with React, Recharts, and Tailwind CSS to visualize sales and inventory data in real-time.
- Secured the application with JWT-based RBAC and used Prisma ORM to prevent SQL injection vulnerabilities.

Certifications

Full Stack Open — University of Helsinki View Certificate ✉	<i>Issued Nov 2024</i>
MongoDB Associate Developer — MongoDB View Certificate ✉	<i>Issued Jul 2024</i>

Extracurricular Activities

- Technical Workshop Coordinator, Student Body Governance (2024 - 2025):** Led a team to organize and deliver 5+ hands-on workshops on Java, Git, and Web Development for over 150 first-year students, receiving 95% positive feedback.