

Prudvi Kumar Reddy

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Professional Summary

Aspiring Software Development Engineer with demonstrated expertise in designing scalable systems, building full-stack applications, and developing AI-powered solutions. Experienced in distributed systems, cloud platforms (AWS, IBM Cloud, Firebase), and agile team collaboration through multiple internships and impactful projects. Passionate about delivering customer-focused, high-performance software products that solve real-world healthcare and environmental challenges. Proficient in full-stack development using MERN stack, REST APIs, and modern CI/CD practices.

Education

Bachelor of Technology in Computer Science & Engineering

Nalla Malla Reddy Engineering College | Hyderabad, Telangana | 2021 – 2025
CGPA: 8.57/10

Senior Secondary (XII)

Narayana Junior College | Renigunta, Tirupati, Andhra Pradesh | 2020 – 2021

CGPA: 9.66/10

Technical Skills

Programming Languages: Python, Java, JavaScript, HTML, CSS, SQL

Technologies: React.js, Node.js, Express.js, RESTful APIs, Scikit-learn, Machine Learning

Databases: MongoDB, SQL, Database Management Systems (DBMS)

Cloud Platforms & DevOps: AWS, IBM Cloud, IBM Watson Studio, Firebase, GitHub Actions, CI/CD

Development Tools & Practices: Git/GitHub, VS Code, Docker, Agile Methodologies, SDLC

Professional Experience

Software Development Engineer

DesignDeliverGrow | Jul 2025 – Present

- Architected and developed full-stack applications using React.js, Node.js, and MongoDB in an agile environment
- Implemented RESTful APIs with proper error handling, validation, and optimization for production deployment
- Collaborated with distributed teams to deliver features on iterative sprints while maintaining code quality

- Developed project-based learning platform with user authentication, project tracking dashboard, and mentor support system
- Architected scalable MongoDB schema and implemented secure JWT-based session management

NEO Explorer – Asteroid Tracking Application

Technologies: JavaScript, NASA API, 3D Graphics Libraries, React.js, REST APIs

- Built interactive asteroid tracking app with real-time NASA API integration and 3D orbital visualizations
- Optimized API calls with caching mechanisms and deployed with production-grade error handling

Web Developer Intern

Innobyte Services | Jun 2025 – Jul 2025

- Built and deployed scalable web applications using React.js, Node.js, and MongoDB stack
- Collaborated in an agile environment with distributed teams to deliver features in short sprint cycles
- Worked with REST APIs and implemented authentication mechanisms for secure application access

Water Quality Monitoring System

Technologies: Python, IBM Cloud, APIs, Anomaly Detection, Machine Learning

- Engineered real-time monitoring solution with AI-driven anomaly detection deployed on IBM Cloud
- Developed data pipelines for sensor validation and created dashboard for stakeholder insights

Full Stack Web Development Intern

Unified Mentor | Feb 2025 – Apr 2025

- Engineered scalable web applications using React.js, Node.js, Express.js, and MongoDB
- Implemented RESTful API endpoints with proper data validation and error handling
- Enhanced user experience through responsive design and intuitive UI implementation
- Debugged and resolved production issues, improving system reliability

Kidney Stone Detection – Medical Imaging AI Model

Technologies: Python, Scikit-Learn, Machine Learning, IBM Watson Studio, Supervised Learning

- Built ML classification model using Scikit-Learn for kidney stone detection from medical imaging
- Deployed on IBM Watson Studio with model validation protocols and cross-validation for production accuracy

Key Projects

LearnByDoing – Project-Based Learning Platform

Technologies: React.js, Node.js, MongoDB, Firebase, Authentication, REST APIs