

# MUNNA KUMAR

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## Professional Summary

Detail-oriented Full Stack Developer with robust expertise in Python, JavaScript, Java, and C. Solved 130+ algorithmic problems on LeetCode, showcasing strong analytical and problem-solving abilities. Proficient in developing scalable, secure web applications using Django, React.js, and the MERN stack. Experienced with deploying cloud-native solutions leveraging AWS services. Passionate about AI integration and cloud infrastructure, aiming to contribute meaningfully to dynamic and innovative development teams.

## Technical Skills

- **Programming Languages:** Python, JavaScript, Java, C++, C
- **Frontend:** React.js, HTML5, CSS3, Bootstrap, Material UI, Daisy UI, Tailwind CSS
- **Backend:** Django, Node.js, Express.js, REST APIs, MVC Architecture, Spring Boot
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, SageMaker), Docker, GitHub Actions, CloudFormation, CI/CD
- **Tools & Methodologies:** Git, GitHub, Postman, VS Code, Agile/Scrum, JIRA, Test-Driven Development (TDD)

## Internship Experience

**AI/ML Intern (Virtual)** • Amazon Web Services Mar 2025

- Built and deployed a cost-optimization ML model on AWS SageMaker, reducing cloud resource expenses by 18%
- Designed automated ETL pipelines using AWS Lambda and Step Functions, processing over 10,000 records daily
- Enhanced model accuracy from 82% to 94% through advanced feature engineering and hyperparameter tuning

**Community Outreach Intern** • Community Development Program Jun–Jul 2023

- Analyzed health data for 500+ households to identify trends driving strategic resource planning
- Automated reporting tasks using Python scripts, saving 15+ manual work hours per week
- Boosted community engagement by 25% via targeted outreach and awareness campaigns

## Projects

**Real-Time Chat Application** • MERN Stack GitHub

*React.js • Node.js • Express.js • MongoDB • Socket.io • JWT*

- Engineered a real-time chat platform supporting 100+ concurrent users with Socket.io integration
- Secured communication using end-to-end encryption and JWT-based authentication
- Reduced message latency by 60% through optimization of WebSocket connections and message queues

**AI-Powered Resume Builder** • MERN Stack + OpenAI GitHub

*React.js • Node.js • Express.js • MongoDB • OpenAI API • Puppeteer*

- Created an intelligent resume builder with real-time AI suggestions, improving interview rates by 35%
- Integrated ATS score analysis and dynamic PDF export with 98% cross-template compatibility

**Employee Management System** • MERN Stack GitHub

*React.js • Node.js • Express.js • MongoDB • Redux • JWT*

- Developed secure, role-based access management system handling 1000+ employee records
- Achieved 90+ performance score on Lighthouse through frontend optimization and responsive UI design

## Education

**B.Tech in Computer Science and Engineering (Honors)**

Koneru Lakshmaiah Education Foundation

Jul 2023–Present

CGPA: 9.55/10 (Top 20% of class)

**Senior Secondary (XII)**

Baidnath High School, Bettiah

Mar 2022

Percentage: 81% (District Topper in Computer Science)

## Certifications

- **MongoDB Certified Associate Developer** – MongoDB Inc. (NoSQL Design, Aggregation, CRUD) 2025
- **AWS Certified Cloud Practitioner** – Amazon Web Services (Expected) Aug 2025
- **Programming in Java** – NPTEL, IIT Madras (OOP, Data Structures, Algorithms) Jul 2023
- **Salesforce AI Associate** – Salesforce (Cloud AI Tools, CRM Integration) Dec 2023
- **Microsoft Azure Fundamentals (AZ-900)** – Microsoft Jun 2025

## Achievements

- **Finalist** – Code for Cause Hackathon (Top 15 among 100+ national teams) 2025
- **Top 50** – HackerEarth AI Innovation Challenge (Selected from 1000+ participants) 2025