

Routhu Surendra Kumar

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Career Objective

To apply my strong technical skills and innovative mindset in a fast-paced, growth-driven environment. I aim to contribute to meaningful projects that drive organizational success, while continuously expanding my expertise. With a passion for problem-solving and teamwork, I seek to deliver impactful results through cutting-edge technology.

Education

Avanthi Institute of Eng and Tech, Visakhapatnam Andhra Pradesh. 2024

B-Tech – Computer Science and Engineering (CSE)

CGPA/Percentage: 7.73

Thandra Paparaya Junior College, Bobbili Andhra Pradesh. 2020

Telangana State Board of Intermediate Education (MPC)

CGPA/Percentage: 9.50

Z.P High School, Andhra Pradesh. 2018

Board Of Secondary Education Andhra Pradesh (SSC)

CGPA/Percentage: 9.3

Professional Experience

.NET Full Stack Developer & Angular Developer | Motto Systems (12/2023 – 3/2025)

- Working on **GMP Pro**, a compliance and quality management product.
- Developed and maintained applications using .NET (ASP.NET Web API), Angular, C#, MongoDB.
- Designed scalable RESTful APIs and optimized backend logic, reducing API response time by 30%.
- Improved UI performance by implementing lazy loading, component reusability, and state management (NgRx, RxJS, Material UI).
- Enhanced security by integrating JWT-based authentication and role-based access control.
- Optimized MongoDB queries, improving data retrieval efficiency by 40%
- Integrated Postman and Swagger for API testing and documentation.

Internships

Salesforce Developer, Smart Internz *certificate* 08-2022 to 10-2022

- Salesforce Developer at Smart Internz: Completed multiple Salesforce Trailhead modules and earned Super Badges in Apex and Process Automation

AI & ML Intern, Google *certificate* 07-2023 to 08-2023

- During a 6-week internship, I focused on AI and ML topics for 4 weeks, followed by a 2-week team project on natural disaster analysis. Used RNN, SVM, Decision Trees, and CNN algorithms to develop a machine learning model for analysis.

Associate in Cyber Security, Fortinet *certificate* 12-2023 to 04-2024

- As a Certified Associate in Cybersecurity with Fortinet, I completed an internship, gaining hands-on experience in incident response and vulnerability assessments.

Projects

FarmTech Solutions

- Developed a responsive Angular web application for agricultural services.
- Integrated MongoDB for real-time data storage, ensuring scalability for large datasets.
- Used Angular Material UI components to improve user experience and responsiveness.

Hope Connect

- Built an Angular-based web app to connect vulnerable groups with support services.
- Added photo uploads, geolocation tagging, and real-time alerts, enhancing user engagement.
- Optimized MongoDB database queries, reducing data retrieval time by 25%.

Personal Portfolio

- Developed a fully responsive web application using HTML, CSS, and Bootstrap, ensuring optimal functionality across all device sizes.
- Built a dynamic, interactive portfolio showcasing projects and skills, featuring real-time updates and optimized loading for a smooth user experience across devices.

Skills and Interests

Frontend	: Angular, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, NgRx, Rxjs
Backend	: .NET Core, ASP.NET Web API, C#, Node.js, Express.js
Database	: MongoDB (Mongoose), NoSQL, MySQL
Testing & Security	: Unit Testing, API Testing (Postman, Swagger)
Development Tools	: VS Code, Visual Studio, Eclipse, Git, GitHub, Postman, Swagger
Core Concepts	: DBMS, OOPS, API Development & Testing
Soft Skills & Interests	: Leadership, Teamwork, Curiosity, Volunteerism

Certifications

Full Stack Development with Dr. Reddy’s Foundation	November, 2024
Senior System Architect with Pega Systems	March, 2024
System Architect with Pega Systems	July, 2023
Java Essentials By Mind Luster	September, 2023
SQL and Relational Databases Course IBM Skills	June, 2024
Microsoft Azure Fundamentals	November, 2022
Microsoft Azure AI Fundamentals	November, 2022
CI/CD Devops with Infosys Spring board	September, 2022

Achievements

JP Morgan Chase & Co Hackathon – Runners-Up	(November 2024)
<ul style="list-style-type: none">• Led a team to the finals of JP Morgan Chase & Co’s Hackathon, securing the Runners-Up position.• Developed a EduTech Bank, leveraging Angular, TypeScript, HTML, CSS to solve a real-world problem.	

Volunteer Experience

- Served as the head organizer during the PEGA Boot Camp Program, overseeing all aspects of the event.
- Served as Class and school representative, demonstrating leadership and organizational skills.