AMBAVARAPU TEJA REDDY

A highly motivated full stack developer skilled in modern front-end and back-end technologies. Focused on delivering scalable web applications and seamless user experiences. Seeking to contribute expertise in software development, cloud services, and databases to innovative tech projects.

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👤 PROFILE SUMMARY

– Emerging **Software Engineer** with a solid academic foundation in **Computer Science and Engineering** and a consistent track record of academic excellence across all levels of education.

– Demonstrated **strong programming acumen in Python and C++**, coupled with foundational web development skills in HTML, CSS and JavaScript.

– Experienced in developing robust server-side applications with Node.js and Express, and integrating with MongoDB databases for scalable solutions

– Recognized for innovation and research in undergraduate studies, including a **prize-winning final year project** and **publication in a Springer conference**, reflecting strong analytical and technical writing skills.

– Quick learner with a proactive mindset, evident through successful completion of **multiple online certifications** in full stack development, data science, and foundational programming languages.

– Adept at balancing academic rigor with extracurricular activities, highlighting well-rounded personality traits like **teamwork, leadership**, and **discipline**, supported by zonal-level participation in cricket and volunteering for college events.

💼 WORK EXPERIENCE

Tata Elxsi | Software Engineer	March 2024 – Present

Key Result Areas:

– Possessing specialized expertise in full stack web development, contributing to the design and implementation of scalable web applications and cloud-based solutions.
– Successfully completed intensive training in Python, C++, Node.js, React.js, HTML, CSS, and JavaScript, with practical exposure to RESTful APIs, databases, and version control systems.
– Engaging in advanced full stack development projects on Linux and cloud platforms, focusing on responsive front-end interfaces and robust back-end services.
– Collaborating with cross-functional teams to design, develop, and integrate web application modules aligned with business requirements and user needs.
– Participating in regular code reviews and debugging sessions to ensure optimal code quality, performance, and maintainability.
Contributing to the enhancement of existing application frameworks and continuously exploring innovative solutions for improving user experience and system scalability.

Highlights:

– Supported the development and optimization of 5+ full stack web applications, improving performance, scalability, and user experience
– Reduced API response times by 40% through optimized database queries and efficient RESTful API design using Node.js and Express.js.
– Worked on 2 major React + Node.js projects, each involving dynamic front-end development, secure back-end services, and seamless third-party API integrations.

📊 CORE COMPETENCIES

Software Development
Web Application Development
API Integration
Full Stack Development
Database Management
Linux Operating System
Sentiment Analysis

📊 SOFT SKILLS

Communication
Visionary & Decision-maker
Analytical
Problem- solving

🎓 EDUCATION

– **Bachelor of Engineering in Computer Science and Engineering** from CMR Institute of Technology, Bangalore, India
2019– 2023 | CGPA: 7.96

– **Pre-University Course (Class XII)** from Sri Venkateswara Junior College, Guntur, India
2017 – 2019 | Aggregate: 9.8

🎓 AWARDS & ACHIEVEMENTS

– **Awarded First Prize** for the final year project **"Kannada Sentiment Analysis"** at the department level by the Principal of CMR Institute of Technology.

– Authored a research paper titled **"Sankshepan",** published in the Springer Conference on Intelligent Data Communication, and Analytics (IDBA 2023).

PROJECTS UNDERTAKEN

Music Player Web Application | Oct 2024

- Contributed to the development of a full stack Music Player App enabling users to upload, manage, and stream audio files through an interactive web interface.
- Enhanced user experience by implementing dynamic playlists, search functionality, and real-time audio controls using React.js on the front end.
- Developed RESTful APIs for audio file management and streaming, with secure user authentication and persistent data storage using Node.js, Express.js, and MongoDB.

   Technologies: C++,React.js, Node.js, Express.js, MongoDB, HTML, CSS, JavaScript, REST APIs.

Stock Market Analysis Platform | Jan 2024

- Developed a stock market analysis web application for visualizing historical stock data and trends.
- Implemented interactive user interfaces using HTML, CSS, and JavaScript for data display and user interaction.
- Designed and built RESTful APIs with Node.js to fetch and process stock data from third-party financial APIs.

   Technologies: Python, HTML, CSS, JavaScript, Node.js, REST APIs

CERTIFICATIONS & TECHNICAL TRAINING

- **Full Stack Development** – Coding Ninjas
- **C++ Tutorial** – Great Learning
- **C Programming** – Udemy
- **TYL Certification Course in Data Science** – Organized by the Department of Training & Placement

TECHNICAL SKILLS & TOOLS

- **Programming Languages:** C++, Python, HTML, CSS, JavaScript
- **Tools & Technologies:** VS code, Node.js, React.js, Express.js, MongoDB, Git,, REST APIs, Linux, Docker, Polyspace.

EXTRACURRICULAR ACTIVITIES

- Cricket Player – Represented at Zonal Level (Class 10)
- Volunteer – Cultura 2022 (College Cultural Fest)

PERSONAL DETAILS

Date of Birth: 20/08/2002
Languages: English, Hindi, Telugu
Address: Bangalore - 560037