BALA NAGA SRI THOTA

Software Engineering Intern | AI Development | Problem-Solving | Innovative Technology Solutions

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Summary

Second-year BTech student in AI and Data Science, passionate about creating inclusive technology solutions. Skilled in software development and data analysis, with a focus on fostering diversity in the tech industry. Eager to gain insights and contribute to Uber's She++ initiative to further my career in technology.

Education

Jawahar Navodaya Vidyalaya Guntur
12th standard   06/2022 - 03/2023

KL Deemed to be university
Btech in Artificial Intelligence and Data Science   09/2023 - 05/2027

Key Achievements

Successful Participation in Hackathons
Strengthened teamwork and software development abilities.

Active Member of Diversity and Inclusion Initiatives
Promoted gender equality and STEM representation.

Contributions to Open Source Projects
Improved accessibility and fostered inclusivity in technology.

Reliance Scholarship Achiever
Recognized for academic excellence and passion for technology.

Member of IAENG Society
Expanded professional network and engaged in technical discussions.

Certification

Google Android Developer course

Introduction to Front-End Development by Meta

JavaScript Programming Essentials by IBM

Exploratory Data Analysis for Machine Learning by IBM

Career Essentials in Generative AI by Microsoft and LinkedIn

Google Analytics Certification from United Latino Students Association

Introduction to Software Engineering by IBM

Google IT Automation with Python

Data Structures and Algorithms by University of California San Diego

Google TensorFlow Developer Certificate

Skills

Python · Java · C++ · JavaScript

Machine Learning · Data Analysis · Predictive Modeling · Data Visualization

Full-stack Development · Front-end Technologies · Back-end Technologies · Git · APIs

MongoDB · SQL · Data Structures

UI/UX Design · Wireframing · Prototyping · User-Centered Design

Algorithm Design · Logical Thinking · Optimization

Skills

Teamwork · Leadership · Cross-functional Collaboration

Diversity & Inclusion · Advocating for Accessibility · Inclusive Design · Awareness of Underrepresented Groups in Tech

Agile Methodology · Time Management · Task Prioritization · AWS · Heroku · Docker

Projects

Stock Market Dashboard

Location

Date period

Developed a responsive web application to track real-time stock prices and visualize trends.
Tech Stack: Python, Flask/FastAPI, React.js, Tailwind CSS, MySQL/Supabase.

- Enabled users to monitor portfolio performance and make data-driven decisions with interactive charts and alerts.

Health Profile Management Platform

Location

Date period

Built a platform for managing user profiles, medical records, and appointment scheduling with AI chatbot integration.
Tech Stack: Python, React.js/Next.js, MongoDB/MySQL, Tailwind CSS.

- Simplified patient data access and improved user engagement through a responsive interface and automated support system.

Alexa Chatbot for Voice Assistance

Location

Date period

Created a custom Alexa skill for voice-based assistance, providing reminders, weather updates, and FAQs using AWS Lambda.
Tech Stack: Python, AWS Lambda, Alexa Skills Kit, Node.js.

- Delivered hands-free interaction for daily tasks and improved accessibility with voice recognition technology.

Brain Tumor Detection Using AI

Location

Date period

Developed a CNN-based AI model for detecting brain tumors from MRI scans with preprocessing and segmentation features.
Tech Stack: Python, TensorFlow/Keras, OpenCV, Flask, Streamlit.

- Achieved **98% accuracy** in tumor classification and deployed a web interface for real-time analysis, enabling faster diagnosis.

Experience

Weboin

Remote

Data Analytics Intern

02/2024 - 03/2024

Weboin is a data analytics company that helps businesses leverage data to drive informed decision-making and innovation through advanced analytics tools and techniques.

- Analyzed and interpreted large datasets, providing actionable insights to improve decision-making processes.
- Contributed to the completion of data-driven projects within deadlines, improving team efficiency by 20%.
- Enhanced data accuracy by 15% through advanced analytics techniques in cleaning and processing datasets.
- Maintained 100% confidentiality and adherence to company policies regarding proprietary information.

EduSkills and Google for Developers

Remote

Android Developer Intern

07/2024 - 09/2024

Google for Developers: A collaboration providing industry-relevant training and internships in software development.

- Completed a **10-week Android Developer Virtual Internship**.
- Gained hands-on experience in **2 core technologies**: Android Studio and Java/Kotlin.
- Learned and applied **5+ essential concepts** such as UI/UX design, debugging, and API integration.
- Participated in training supported by **Google for Developers**, benefiting from industry-level guidance.