Bhupani Mounika

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Education

Vellore Institute of Technology AP *Aug 2021 – May 2026*
Integrated M.Tech CSE **CGPA** - 8.54

Sri Chaitanya College *June 2019– July 2021*
M.P.C **Percentage** - 96.3%

Projects

Automated Bus Scheduling *github.com*

- Developed an automated bus scheduling system using Node.js, Express.js, MongoDB, CSS, and Bootstrap, enabling daily shift assignments without manual intervention and improving workforce efficiency.
- Integrated an edit feature for manual adjustments, enhancing scheduling flexibility and control, reducing conflicts by 50%.

Wealth Management Solution *github.com*

- Built a financial tracking system using ReactJS, Node.js, Firebase, Chart.js, and Bootstrap for expense logging, savings goals, reports, and data visualization.
- Enabled secure, one-click authentication via Google Sign-Up, decreasing user login time by 60% and boosting successful logins by 35%, leading to a more streamlined onboarding experience.

Malware classification using deep learning models *github.com*

- Developed a malware classification system using Python, TensorFlow, PyTorch, and by enhancing the DenseNet-169 architecture with additional layers, trained on the Malimg dataset.
- Achieved 98% accuracy in malware detection, significantly improving overall classification performance and reliability on the dataset.

Identification Medicinal Plants Using Deep Learning Models *github.com*

- Created an image recognition system with ReactJS, Flask, Bootstrap, and deep learning models to identify medicinal plants, displaying names, uses, and descriptions.
- Trained a Convolutional Neural Network (CNN) model, achieving 95% accuracy in plant identification.

Job Portal Application *github.com*

- Created a job portal using Node.js, Express.js, CSS, and MongoDB, facilitating seamless connections between job seekers and employers.
- Enabled companies to post job listings and manage applications efficiently, streamlining the hiring process.

Technologies

Programming Languages: C++, Java, Python

Databases: SQL/NoSQL databases (MySQL, MongoDB)

DevOps & Tools: Git, GitHub, Docker, CI/CD (GitHub Actions, Jenkins),Linux

Software Development : API development and integration

Frameworks: MERN stack (MongoDB, Express.js, React, Node.js)

Hackathons

- Secured 4th position in 24-Hour Great India Hackfest 2024 hosted by CSI Chapter VIT-AP on 9th March 2024
- Secured a 2nd position in the National-Level Hackathon held at NRI Institute of Technology on December 13-14, 2025