

# MANNE PRAVALLIKA

Bachelor of Technology  
in Computer Science and Engineering  
Indian Institute of Technology, Dharwad

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## Education

**B.Tech in Computer Science and Engineering**, Indian Institute of Technology, Dharwad

2023– 2027

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## Technical Skills

- **Programming Languages:** C++, Python, JavaScript, Go
- **Frameworks and Libraries:** ExpressJS, ReactJS, NodeJS, Python Automation (Selenium), SciKit Learn
- **Database:** MongoDB, SQL, Firebase
- **Tools and Software:** Git, Docker Linux, LaTeX, Android Studio

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## Projects

### AI Project: Credit Score Classification

- Developed a machine learning pipeline to automate the classification of credit scores into 'Good', 'Standard', and 'Poor' categories using a dataset of 100,000 training samples.
- Executed comprehensive data preprocessing, including handling missing values, feature normalization, and feature selection based on Pearson correlation (threshold  $> 0.65$ ).
- Implemented and benchmarked 10 classification models, including Random Forest, Gradient Boost, KNN, and Neural Networks, to predict financial risk.
- Identified Random Forest as the optimal model, achieving a peak accuracy of 81.48%.

### AskDrive — AI-Powered Google Drive Assistant (Chrome Extension)

- Developed AskDrive, a Chrome Extension integrating Google Drive API, OAuth2, and Gemini AI to enable real-time Q&A, summarization, and context search across Google Docs, Sheets, and .docx files.
- Engineered file parsing (text extraction, chunking, caching) with RESTful APIs, embeddings, and vector search to optimize Gemini token usage, reducing document retrieval time by 80% for test users.

### Personal Portfolio Website

- Developed a fully responsive personal portfolio using HTML5, CSS3 to showcase skills, projects, and experience.
- Designed structured sections including About Me, Skills, Projects, Resume, and Contact for better presentation and accessibility.
- Integrated a downloadable PDF resume and contact information for recruiters and collaborators.

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## Positions of Responsibility

- **Coding Club Coordinator**

### NCC-National Cadet Corps:

- Actively led and participated in social service initiatives, including blood donation drives, environmental awareness programs.
- Acted as an ambassador for the NCC during community outreach programs, promoting civic responsibility and national integration.

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## Key Courses Taken

- Data Structures, Algorithms, Operating Systems, Database Management System, Software Tools and Technologies.
- Introduction to Language Processing, Theory of Computation, Machine Learning, Computer Networks, Cryptography.