ABHAY S PATIL

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🎓 EDUCATION

Bachelor of Engineering (B.E.) in Computer Science and Engineering (CSE)
JSS Academy of Technical Education, Bengaluru — 2022-2026
CGPA: 8.62/10 | Minors Degree in Economics and Finance
Relevant Coursework: Data Structures, DBMS, Operating Systems, Computer Networks, Machine Learning, Software Engineering, Project Management

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💻 TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java, JavaScript
Web Development: HTML5, CSS3, React.js, Node.js, PHP, AJAX, jQuery
Databases: MySQL, MongoDB
Tools: Git, GitHub, VS Code, Postman, Docker
Cloud & Other: Firebase, AWS (EC2, S3), DSA, OOPs, REST APIs

🗂️ PROJECTS

AI-Enabled Healthcare Dashboard & Disease Prediction
Technologies: React.js, Node.js, MongoDB, Python, TensorFlow, JWT, RESTful APIs, Machine Learning
• Developed a full-stack health monitoring platform with real-time dashboards, disease prediction, and patient-doctor communication.
• Integrated ML models (Logistic Regression, Random Forest, Neural Networks) to predict disease risk with an accuracy of 85%.
• Designed interactive data visualizations using React.js and Chart.js.
• Implemented secure user authentication via JWT and managed data with MongoDB and RESTful APIs.
• Built an AI-powered assistant for medical advice and appointment scheduling, improving user engagement.

Voice-Enabled AI Assistant with Image Generation
Technologies: Python, OpenAI API (GPT-3.5), DALL·E, Whisper, SpeechRecognition, Streamlit
• Developed a voice-interactive assistant utilizing GPT-3.5 for conversational AI and

DALL·E for text-to-image generation.
• Used Whisper and SpeechRecognition for speech-to-text conversion, and pyttsx3 for voice replies.
• Deployed on Streamlit for an interactive, browser-based experience.

Stock Market Visualization & Prediction
Technologies: Python, Pandas, Matplotlib, scikit-learn, Linear Regression
• Created a stock market prediction tool using Linear Regression for price forecasting.
• Preprocessed financial data with Pandas and visualized stock trends using Matplotlib for data-driven decision-making.
• Achieved an accuracy of 75% in predicting stock trends based on historical data.

Smart Student Information and Course Management System
Technologies: Java, Swing, Servlets, JSP, JDBC, MySQL, MVC Architecture
• Built a full-stack Java web application for managing student records, course enrollments, and academic performance.
• Developed a dynamic web portal for students and faculty using Servlets and JSP.
• Implemented JDBC with MySQL for database management, CRUD operations, and transaction handling.
• Applied MVC architecture for scalable and maintainable code.

Expense Tracker (CLI)
Technologies: Python, CSV, Tkinter
• Created a command-line application for tracking and categorizing personal expenses.
• Implemented data storage and processing through CSV files for persistent tracking.

Secure Banking & Contact Management System
Technologies: Python, File Handling
• Developed a Python-based ATM simulation with user authentication, fund transfers, and transaction history management.
• Integrated a contact management system for efficient fund transfer operations.

Cloud Note Keeper
Technologies: React, Node.js, MongoDB, AWS EC2, CRUD Operations
• Developed a cloud-based note-keeping application with secure user authentication and CRUD functionality.
• Deployed the app on AWS EC2 with MongoDB Atlas as the backend for scalable data storage.

📌 OTHER DETAILS

- Participated in the Debate Competition at University Level
- Participated in the College level Hackathon | GeeksforGeeks
- Participated in the College level Hackathon | CodeChef
- Competitive Programming (Leetcode)
- Languages: English (Fluent), Hindi (Fluent), Kannada (Native)
- Availability: Immediate; Open to Relocation.
- Hobbies : Solving Puzzles , Updating on Latest Technologies.
