

Abhijeet Sarkar

B.Tech(AIML) | Full Stack Developer

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SUMMARY :

B.Tech (AIML) student and Full Stack Developer with expertise in the MERN stack and Python. Proven ability to engineer scalable web applications and front end web architecture, including an AI-driven career platform. Adept at leveraging Machine Learning models with data analytics to solve complex problems while ensuring cross-platform optimization and responsiveness of applications.

WORK HISTORY

Artificial Intelligence & Machine Learning | Prospect Digital, Bhopal (Nov 2025 - Dec 2025).

- Successfully concluded an intensive 30-day offline internship focused on synthesizing AI/ML concepts with full stack development and project management.
- Engineered a menu-driven Simple Bank Management Application using Python, utilizing fundamental Object-Oriented Programming (OOP) principles for backend logic.
- Leveraged Streamlit to design an interactive user interface and integrated core banking functionalities with robust input validation and database logic.
- Acquired practical expertise in front end languages (HTML, CSS, JavaScript, React.js) and back end (Node.js) technologies for the deployment of responsive web applications.

TECHNICAL SKILLS :

- **Web Technologies (MERN)** - React.js, Node.js, Express JS, HTML5, CSS3, JavaScript (ES6+)
- **Database** - MySQL, MongoDB
- **DevOps** - Hostinger VPS, DNS Management, SSL Configuration
- **AI/ML** - Python (NumPy, Pandas, Scikit-Learn, Streamlit, FastAPI)
- **Version Control** - Git & Github.

Concepts: Data Structures & Algorithms (DSA) , OOPs , Basic System Design.

SOFT SKILLS :

- Problem Solving, Logical Thinking, Learning Agility
- Teamwork, Communication skills
- Project Management, Positive Attitude, Enthusiastic

PROJECTS :

❖ **Personal Portfolio Website** - React.js, Next.js, Tailwind CSS, Framer Motion, Three.js

- Developed a responsive personal portfolio to showcase projects, technical skills, and professional experience using modern web technologies.
- Designed an interactive user interface with smooth animations, optimized performance, and deployed the website on a custom domain.

❖ **Career-Ai** - React.js, Node.js, Express.js, MongoDB, Python

- Pioneered an AI-driven career counseling platform utilizing **React.js and Python** to assist students in determining optimal career trajectories based on psychometric and academic profiles.
- Constructed a predictive recommendation engine using **Scikit-Learn** (Random Forest/XGBoost), achieving 85%+ accuracy in identifying optimal career domains.
- Architected a secure **MERN/FastAPI** microservice architecture and managed full DevOps deployment on Hostinger with SSL and automated pipelines for 99.9% uptime.

EDUCATION

- B.Tech (AIML), Oriental College of Technology(RGPV), Bhopal (Expected Graduation: July 2027)
- Higher Secondary, Nalanda Public School(MPBSE) Bhopal (March 2023)
- High School, Model English High School(MPBSE) Betul (February 2019)