

SUDHANSHU PANDEY

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Education

Dr. A.P.J. Abdul Kalam Technical University

Uttar Pradesh, India

Bachelor of Technology in Computer Science and Engineering

Sep 2023 – Oct 2027

- Affiliated Institution: Saraswati Higher Education and Technical College of Engineering, Varanasi

Experience

Software Development Intern

April 2024 – October 2024

Innovilla Private Limited

India

- Developed and deployed full-stack web applications using Python, Flask, and SQLite, improving data processing efficiency by implementing RESTful APIs and database optimization techniques
- Built machine learning models using Scikit-learn for predictive analytics and integrated them into production-ready web applications, enabling data-driven decision making
- Collaborated with cross-functional teams to design scalable software solutions and automation tools that streamlined internal workflows and reduced manual processing time
- Implemented responsive front-end interfaces using HTML5, CSS3, and JavaScript, ensuring cross-browser compatibility and optimal user experience across devices

Projects

Intelligent Prediction System | *Python, Flask, Scikit-learn, SQLite*

2024

- Engineered an end-to-end machine learning pipeline for predictive analytics with 85%+ accuracy, processing and analyzing large datasets to generate actionable insights
- Designed RESTful API endpoints and integrated ML models into a Flask web application with SQLite database for persistent storage and real-time predictions

Database-Driven Web Application | *Python, Flask, SQLite, HTML/CSS, JavaScript*

2024

- Architected a full-stack CRUD application with user authentication, data validation, and secure database operations serving 100+ concurrent users
- Optimized SQL queries and implemented indexing strategies, reducing average query response time by 40% and improving overall application performance

Automation Tool Suite | *Python, Shell Scripting*

2024

- Created Python-based automation scripts to streamline repetitive tasks, saving 15+ hours per week in manual operations
- Developed data processing pipelines for ETL operations, handling large-scale data transformation and migration tasks

Technical Skills

Programming Languages: Python, C, Java, JavaScript, SQL

Web Technologies: HTML5, CSS3, Flask, RESTful APIs, Responsive Web Design

Machine Learning & Data Science: Scikit-learn, Pandas, NumPy, Predictive Modeling, Data Analysis

Databases: SQLite, SQL Query Optimization, Database Design

Tools & Technologies: Git, Linux/Unix, AWS (Basic), Shell Scripting, Version Control

Software Engineering: Object-Oriented Programming, Data Structures, Algorithms, Agile Methodologies

Certifications

Software Development – Professional Certification

JavaScript Algorithms and Data Structures (Beta) – freeCodeCamp

Responsive Web Design – freeCodeCamp

AWS Educate Introduction to Generative AI – Amazon Web Services

Achievements & Leadership

Personal Brand Development: Built and maintain professional online presence under "enoughsudhanshu" and "enoughlab" brands, showcasing technical expertise and open-source contributions

Continuous Learning: Actively pursue emerging technologies in AI/ML and cloud computing, completing multiple industry-recognized certifications

Open to Collaboration: Seeking opportunities for internships and real-world software development projects in innovative tech environments