Akash Pandey

+91-8340687066 | helloakashpandey@gmail.com | GitHub | LinkedIn |Portfolio

EDUCATION

Birla Institute of Technology, Mesra   2021 - 2025
Bachelor of Technology in Computer Science and Engineering
CGPA: **8.0**
Relevant Courses: Data Structure and Algorithm, Operating System, Database And Management System, Software Engineering, Cryptography And Network Security, Object Oriented Programming

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Python, JavaScript, Bash
Libraries: React, NumPy, Pandas, Matplotlib
Frameworks: Bootstrap, Tailwind Css, NodeJs, ExpressJs
Databases: MongoDB, MySQL, Firebase
Data Analytics: Tableau, PowerBI, Excel, Access, DAX
Tools/Technologies: Netlify, Postman, Azure, Git/GitHub, RESTAPI, Docker, SDLC

EXPERIENCE

Airtel Digital   May 2024 – July 2024
Data Analyst And Visualization Intern

- Data Visualization: Created over **10+** interactive **dashboards** and reports using **Tableau and PowerBI**, facilitating data-driven decision-making across multiple departments.
- Data Analysis and Reporting: Conducted comprehensive **data analysis** using **Python** and **SQL**, resulting in actionable insights that optimized operational efficiency by **15%**.

PROJECTS

Rule-Engine with AST   (GitHub)

- **Engineered a Rule Engine with Abstract Syntax Tree (AST)** to efficiently parse and evaluate complex logical conditions, integrating a modular parser to convert string inputs into ASTs for condition evaluation.
- **Achieved 80%+ test coverage** by developing robust unit tests for all edge cases, and packaged the solution in a Docker environment for cross-platform compatibility and easy deployment.
  Tech Stack : MySQL, TSX, NextJs, Python, Flask,Vercel, GitHub

Credit Card Transaction Dashboard   (GitHub)

- Engineered a comprehensive credit card weekly dashboard that provides **real-time insights** into key performance **metrics and trends**, enabling stakeholders to **monitor and analyze** credit card operations.
- Developed a high-impact dashboard analyzing over **100K+ credit card transactions**.
- Employed advanced DAX queries to extract actionable insights, analyzing revenue (increasing by 15%), interest (decreasing by 10%), and spending patterns (**fluctuating by 20%**)**,** driving strategic decision-making with quantifiable results. **Tech Stack** : PowerBI, PostgreSQL, DAX Queries, GitHub

Hospital Management System   (GitHub)

- **Role-based User Interface**: Customized intuitive interfaces for administrators, doctors, and patients, resulting in a 30% increase in user satisfaction and 20% reduction in training time and complexity.
- **Admin dashboard** with interactive graphs improved data visualization by 25% and facilitating more improved decision making with a 15% increase in acceleration.
- Transform healthcare administration with the cutting-edge hospital management system, streamlining tasks and optimizing operations for unmatched efficiency, resulting in **30% productivity uplift.**
  Tech Stack : MongoDB, ReactJs, NodeJS , Prisma, GitHub

CODING PROFICIENCY

Consistently tackled Data Structures and Algorithms (DSA) problems over **500+** on GeeksForGeeks and over **450+** on Leetcode, accumulating a total of **4500+** points.

ACHIVEMENTS

- Career Essentials in Data Analysis by Microsoft and LinkedIn.
- Achieved a top score of 98.54% in Naukri Campus Young Turks.
- Ranked in Top 5% in Adobe GenSolve.

SOCIAL SERVICE

National Service Scheme(NSS)   Aug 2022 – Aug 2024
Student Volunteer

- Proficient in event coordination and community engagement.
- Facilitated community awareness and engagement with **government policies** and programs aimed at enhancing village welfare.