S NITISH KUMAR

Hyderabad, India

Ph : 6281336296 samireddynitishkumar@gmail.com Linkedin Github

Full-Stack Developer and AI Engineer skilled in building scalable web systems and integrating LLMs for real-world applications. Experienced in MERN stack with a strong focus on automation.

EDUCATION

Thapar Institute of Engineering and Technology   Aug 2021 – June 2025

B.E, Computer Science and Engineering | CGPA: 8.00   *Patiala, Punjab*

PROJECTS

Sensitive Information Masking Algorithm| *Python, PSO2DT, VIDPSO, Research Work*

- Working on developing a sensitive pattern-hiding algorithm inspired by PSO. The algorithm focuses on identifying victim items to conceal sensitive patterns effectively.
- Our algorithm aims to add artificial data to decrease the frequency of sensitive information while maintaining data utility.

Urban Navigator| *Python, Numpy, Pandas, Scikit-learn*

- Created custom datasets for the "Urban Navigator" project, combining data from multiple sources to analyze and predict metro stop locations through manual compilation and web scraping.
- Implemented algorithms integrating multiple variables including population density, hospitals, and traffic control data to improve metro line placements using Random Forest and **XGBoost**, achieving an F1 score of 87 using **Random Forest** and an F1 score of 91 using XGBoost, showcasing robust data analysis and predictive modeling capabilities.

User Authentication System| *MERN stack, JWT authentication, OTP Verification*

- Developed a full-stack user authentication system, implementing secure login, registration, and password reset. This included **JWT authentication** and **email verification via OTP**.
- Built **RESTful APIs** with Node.js/Express.js for credential management and authentication flows, using MongoDB. Integrated a React.js front-end for user interaction.

TECHNICAL SKILLS

Languages: C++, Python, SQL, JavaScript
Tools: Git, GitHub, React.js, Node.js, Express.js, postman, Power BI, Mongoose, NumPy, Scikit-learn,AWS
Databases: MySQL, MongoDB

ACHIEVEMENTS / EXTRACURRICULAR

- **Stock Market Analysis**
  Successfully Managing a Stock Portfolio worth 5 lakhs and generating 20% CAGR for the past 3 years.
  Have in-depth knowledge of studying a company's fundamentals and financials.
  Improved my analytical skills and ability to understand factors determining a business's success.
- **Sports**
  Chess & Football Player (won many Tournaments)