Nasir Hussain Khan

Tipunagar, Shivamogga, Karnataka, 577204 | Knsof335@gmail.com | +91 6006916714 |
linkedin.com/in/nasirkhan4556

Profile Summary

Motivated Software Engineer with expertise in Machine Learning, Data Science, and Full-Stack Development. Proficient in Python, Java, SQL, and web technologies, with hands-on experience in AI-driven applications. Passionate about solving real-world problems through data-driven solutions.

Areas of Interest

- Data Science and Analytics
- Machine Learning Web
- Software Development

Technical Skills

- Programming: Python, Java (OOPS, DSA), JavaScript
- Frameworks: Django, AngularJS, PyTorch, TensorFlow, Spring Boot
- Data Science: Machine Learning, Deep Learning, Statistics, Predictive Modeling, Data Visualization
- Databases: SQL, MySQL, MongoDB, NoSQL, PostgreSQL
- Tools: OpenCV, Seaborn, Matplotlib, Power BI, Tableau, Git, Docker

Education

- Bachelor of Engineering in Computer Science | CGPA: 8.3/10 | JNNCE, VTU, Karnataka | 2025
- Higher Secondary Education (Class 12) | 95
- Secondary Education (Class 10) | 85

Projects

Blood Group Detection System (Python, Django, Machine Learning, PyTorch, Deep Learning) | 20-11-2024 to 20-01-2025

- AI-driven system achieving 98% accuracy in blood group classification via fingerprint analysis.
- Integrated advanced image processing and machine learning algorithms for precise detection.
- Developed a real-time hospital-donor management platform enabling communication during medical emergencies.

Book Recommendation System (Python, Machine Learning) | 12-05-2024 to 07-06-2024

- Designed a hybrid recommendation system using collaborative and content-based filtering methods.
- Leveraged the SVD algorithm with collaborative filtering to enhance user-book interaction analysis.
- Designed for applications in online bookstores, digital libraries, and educational platforms.

Online Quiz Management System (PHP, MySQL, JavaScript) | 23-01-2024 to 25-02-2024

- Automated quiz platform for students, Admins, and faculty.
- Designed a secure and automated quiz platform for students, faculty, and Admins.

- Designed a modular system for seamless management of quizzes and evaluations.

Recruit-Flow: AI-Powered Recruitment Management System (React.js, Spring Boot, PostgreSQL, AWS) | 10-02-2025 to 19-02-2025

- Designed a full-stack recruitment system for managing job postings, applications, and candidate profiles.

- Integrated JWT authentication and Google OAuth for secure role-based access control.

- Implemented real-time updates with WebSocket and data visualization using Chart.js.

Experience

Data Science Intern | Cognifyz Technologies | June - August 2024

- **Performed EDA & Preprocessing**: Handled missing values, data type conversions, and class imbalances for restaurant rating analysis.

- **Conducted Statistical & Geospatial Analysis**: Identified top cuisines, high-rated cities, and visualized restaurant locations using mapping techniques.

- **Engineered Features & Business Insights**: Assessed table booking/online delivery impact, analyzed price ranges, and created new categorical features.

- **Developed Predictive Models**: Built and optimized regression models (Linear Regression, Decision Trees, Random Forest) to forecast restaurant ratings.

- **Created Data Visualizations**: Designed histograms, bar plots, and geospatial maps to analyze restaurant trends, customer preferences, and rating distribution.

Certifications

- Python | Great Learning | 2023

- Data Science Internship | Cognifyz Technologies | 2024