

# Nasir Hussain Khan

Tipunagar, Shivamogga, Karnataka

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## Objective

Motivated and soon-to-be graduate in Computer Science Engineering with a specialization in data science, Python development, and data analysis. Proficient in Python, java, Software Development with hands-on experience in applying machine learning techniques to solve real-world problems. Passionate about leveraging data-driven insights to create impactful solutions and seeking opportunities to contribute to innovative projects in data analytics, Software Development and machine learning. Ready to bring academic knowledge and internship experiences into professional environments to drive meaningful outcomes.

## Areas of Interest

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

## Skills

- Programming: Proficient in Java (OOPS, DSA), Python, JavaScript
- Frameworks: Django, Angular JS
- Machine Learning: TensorFlow, Keras, Scikit-learn
- Data Science: Statistics, Data Preprocessing, Data Visualization
- Deep Learning and AI: Predictive Modelling, Ensemble Modelling, CNN
- Databases: SQL, MySQL, MongoDB, PostgreSQL, NoSQL
- Tools: PyTorch, Seaborn, Pillow, Open-CV, Matplotlib, MS-Excel

## Soft Skills:

Communication, Leadership, Problem-Solving, Presentation Skills

## Education

- Bachelors of Engineering (CSE) | **CGPA: 8.3/10** | Jawaharlal Nehru National College Of Engineering, Shivamogga. Visvesvaraya Technological University, Karnataka | Expected Graduation: June 2025.
- Class 12 (PCME & Statistics) | **95%** | Government Boys Hr. Sec School Kupwara. Jammu & Kashmir State Board of School Education | March 2021.
- Class 10 / Metric | **85%** | Government Boys High School Natnussa. Jammu & Kashmir State Board of School Education | November 2018.

## Certifications

- **Python** | Great Learning | 08/06/2023
- **Data Science** | Cognifyz Technologies | 11/07/2024

## Internships

### Data Science Intern | Cognifyz Technologies | 06/2024 - 07/2024

- Conducted data preprocessing and feature engineering for predictive modelling projects.
- Designed and implemented machine learning algorithms, achieving a 20% improvement in model accuracy.
- Performed exploratory data analysis (EDA) to uncover actionable insights and trends.
- Documented project outcomes and shared findings in collaborative team sessions.

### Cybersecurity Intern | IBM Edunet Foundation | 10/2023 - 11/2023

- Gained foundational knowledge in cybersecurity principles and practices.

## Projects

### Blood Group Detection System | Python, Django, MySQL, JavaScript, Machine Learning, PyTorch, Seaborn, Pillow, Matplotlib | 2024

- Developed a cutting-edge Blood Group Detection System using fingerprint image processing and deep learning techniques.
- Achieved an accuracy of 98% with a custom CNN model for classification.
- Utilized PyTorch for model building, Seaborn and Matplotlib for data visualization, and Pillow for image preprocessing.
- Designed a user-friendly interface using Django and JavaScript, backed by a robust MySQL database.

### Book Recommendation System | Python, ML, Jupyter Notebook | 06/2024 - 08/2024

- Developed a machine learning-based system to recommend books by analyzing user inputs and leveraging large datasets.
- Conducted extensive data preprocessing, feature extraction, and model optimization to improve accuracy.
- Visualized patterns and trends to enhance user experience and recommendations.

### Online Quiz Management System | HTML, CSS, JavaScript, PHP, MySQL | 01/2024 - 02/2024

- Built a robust system to automate quiz processes and streamline faculty workload.
- Implemented a modular architecture for administrators, faculty, and students with a secure database.

## Hobbies

- Reading about AI advancements, solving analytical puzzles, jogging.