

NIRUPAMA KS

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SUMMARY

Solution-focused developer with practical experience in building full-stack web applications, AI-integrated tools, and data-driven dashboards. Proficient in Python, JavaScript, Power BI, and Figma, with a strong command of clean coding practices and intuitive UI/UX design. Passionate about delivering scalable, real-world solutions through innovation and technology.

WORK EXPERIENCE

Associate Software Engineer - Trainee

Mercor | Jan 2025 – July 2025

- Developed and enhanced full-stack web features using React.js for AI-driven hiring tools.
- Collaborated with the backend and design teams to align UI/UX with business goals.
- Applied Python for automating internal processes and data extraction workflows.

Data Visualization Specialist

Tata Group | Dec 2024

- Completed a program in basic data visualization techniques.
- Developed interactive dashboards and reports using Power BI.
- Executed projects focused on delivering data-driven insights to support business decisions.

Web Development Intern

WebStack Academy | Jul 2024 – Sep 2024

- Built user-centric web applications with secure login, CRUD operations, and role-based access.
- Improved interface responsiveness and accessibility, reducing page load time by 30%.
- Implemented design systems for consistency across screens and devices.

PROJECTS

Cognitive Taxonomy Analyzer

- Engineered an NLP-based tool to classify educational questions based on Bloom's Taxonomy.
- Enabled educators to deliver targeted learning experiences, enhancing content engagement.

Drug Interaction Detector

- Developed a machine learning model to detect adverse drug interactions from textual inputs.
- Achieved a 40% improvement in predicting risky combinations, aiding clinical decisions.

Vastra-Dharpana (Saree Classifier)

- Designed a web app using image classification models to detect saree material types (cotton, silk, jari).
- Reached over 90% accuracy in model predictions, boosting user trust in online purchases.

E-Market Farm Management System

- Built a marketplace platform connecting farmers to consumers, removing third-party middlemen.
- Helped farmers increase profits by 25% while giving consumers access to fresh, local produce.

EDUCATION

- B.E in Information Science & Engineering**

Dayananda Sagar College of Engineering, Bengaluru | 2022 – 2025

- Diploma In Computer Science and Engineering**

Acharya Polytechnic | 2019 – 2021

- Secondary School Leaving Certificate**

Prajwal High School | 2015 – 2019

TECHNICAL SKILLS

- **Languages:** Python, C, C++, JavaScript, Java, HTML, CSS, SQL
 - **Frameworks/Libraries:** React.js, Flask, Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn
 - **Tools:** GitHub, Power BI, Figma, Canva
 - **Core Concepts:** Data Structures & Algorithms, OOPs, Data Analysis, Machine Learning, NLP.
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EXTRACURRICULR/CERTIFICATIONS

- Career Essentials in Data Analysis by Microsoft and LinkedIn [view credentials](#)
 - Career Essentials in GitHub Professional Certificate [view credentials](#)
 - NPTEL- Introduction to Industry 4.0 and Industrial Internet of Things [view credentials](#)
 - NPTEL- Programming in Java [view credentials](#)
 - NPTEL- Cloud Computing [view credentials](#)
 - AWS Cloud Practitioner Essentials [view credentials](#)
 - AWS Database Offerings [view credentials](#)
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LANGUAGES

English, Kannada, Hindi, Telugu

{Fluent in Written, Spoken, Verbal, Reading}

HOBBIES

- Technology Exploration
- Reading Books
- Playing Badminton