

# Prabal Gupta


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## EDUCATION

### Bachelor of Technology

Major - Computer Science & Engineering (CSE)

Amity University, Noida

CGPA: 7.36

Aug 2018 - July 2022

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## SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, C/C++, Python
  - **Libraries/Frameworks:** React.js, Node.js, Flask, Express.js, Bootstrap, Tailwind CSS, Recoil, Json
  - **Tools:** Git, Jenkins, Linux, VSCode, Webpack, Jira, WordPress
  - **Cloud/Databases:** MongoDB, Firebase, MySQL
  - **Areas of Interest:** Machine Learning, Web Development, Web3
  - **Relevant Coursework:** Data Structures & Algorithms, Database Management, Unit Testing, Prompt Engineering
  - **Soft Skills:** Problem-solving, Collaboration, Self-learning
  - **Languages:** English, Hindi, French
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## WORK EXPERIENCE

- **Software Engineer | Nokia Networks, Bangalore** | Sep 2022 - Present
    - Collaborated with cross-functional teams to develop a nominal bitrate feature in 5G, optimizing power consumption.
    - Build an in-house automation tool for XML data extraction, improving workflow and reducing debugging time by 30%.
    - Wrote unit tests for the existing feature code to improve coverage of up to 98%
  - **Software Engineer Intern | Nokia Networks, Remote** | March 2022 – May 2022
    - Gained experience in 4G technology and contributed to deploying Macps features.
    - Assisted senior team members with feature development and learned development tools like Gerrit and Jenkins.
  - **Summer Intern | Center for Development of Telematics, Remote** | June 2021 - July 2021
    - Created a disaster tweet classification model using machine learning techniques and integrated it into a full-stack web application developed with React.js. ML model gives an accuracy of 78%.
    - Developed a web-pdf live data scraper for machine translation using Python, aiding data processing for ML model development.
  - **Researcher Intern | Defence Research and Development Organisation (DRDO), Delhi** | December 2020 - February 2021
    - Worked on data analysis and machine learning projects, implementing ML and DL algorithms for weather forecasting and stock price predictions.
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## PERSONAL PROJECTS

- **Khel-Utsav App**
    - **Description:** Developed a comprehensive web application for an annual organizational event. The app features user authentication, including registration, login, and password reset with OTP verification. The admin panel allows management of teams, schedules, and event data. Implemented responsive design with a hamburger menu for mobile users, and created components like leaderboard, teams info, and points table to enhance user engagement.
    - **Features:** JWT-based authentication, admin panel for, responsive design, dynamic leaderboard and points table.
    - **Tech stack:** ReactJS, Express, MongoDB, Tailwind CSS
  - **TaskMate | Live link: [visit](#) | Source Code: [Github](#)**
    - **Description:** Developed a dynamic Todo List application using React, evolving into a comprehensive task tracker.
    - Designed a user-friendly UI with input fields, buttons, and icons from react-icons.
    - **Features:** Adding, editing, deleting, and marking tasks as complete, setting priority levels, due dates and times, categories and tags for organization, recurring tasks, dark mode toggle, responsive design for mobile use, and state management with localStorage.
    - **Tech stack:** React, JavaScript, Tailwind CSS, useState, useEffect, uuid.
  - **Harmonic | Live Link: [visit](#), Source Code: [GitHub](#)**
    - **Description:** Created a fully responsive and functional music player interface inspired by spotify UI.
    - **Features:** Play/pause songs, volume control, seekbar, song duration display, fetches and displays albums and songs dynamically.
    - **Tech stack:** HTML, CSS, JavaScript, Fetch API, DOM Manipulation.
  - **imStark.xyz - | Live link: [visit](#)**
    - **Description:** Crafted a fully responsive portfolio website for myself within 12 hours.
    - **Tech stack:** ReactJS, Tailwind CSS
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## PUBLICATIONS

- **Automated Static Malware Analysis using Machine Learning** (August 2022), [visit](#)
  - Publisher: International Journal of Advances in Electronics and Computer Science (IJAECs)
  - About - This paper Addressed the growing challenges in cybersecurity and the need for proactive measures using ML.