Prateek Kumar Singh

Greater Noida, Gautam Buddha Nagar

+919958195508 | prateekasme@gmail.com | prateek271.me | prateek271 | prateek-kumar-singh-u78

Personal Profile

I'm a hustler with a bunch of skills, I have trained myself in, I love to learn new skills related to all fields which pique my interest. I'm a fast learner and I enjoy challenging myself.My skills are dedicated to software engineering, with some expertise and specialising in web development, algorithms, and machine learning. Searching mostly for Machine Learning, Data Engineer, and Python Development positions.

Education

Noida Institute of Engineering and Technology   *Greater Noida, UP*

BTech in Computer Science   *7.78 CGPA | Aug 2020 - Current*

- Head of School International Excellence Scholar
- Working as a CLUB Mentor and Guide for Jr.
- **Courses:** Data Science, Programming for Data Science, Knowledge Representation and Reasoning, Statistical Theory and Methods, Learning Skills through Case Studies, Artificial Intelligence, Machine Learning, Statistical Learning

Ursuline Convent Senior Secondary School   *Gautam Buddha Nagar, UP , India*

High School   *87.8% | Apr 2018 - Apr 2020*

- Passed with Distinction
- Specialised in Physics, Chemistry, and Maths with Computer Science

University Projects

NavAi: Traffic Navigation application   *Gr Noida, UP, India*

College   *Feb 2023 - Mar 2023*

- Analysing data from Open Scource data , which is updated in real-time and discover patterns in the data to find less traffic regions. Then Implementing the .
- Users can input coordinates (latitude and longitude) for a specific area and view a traffic heatmap that visualizes traffic congestion in that area.
- Shortest Route: Users can input the starting and ending coordinates, select a vehicle type (car, bicycle, or foot), and find the shortest route between the two points on the map.
- **Technical Skills:** Big Data, API calling , Python , ML, Open Source, OpenMaps API.
- **Soft Skills:** Time Management, Teamwork, Presentation skills, Report writing.

Code Busters: College Platform for Students   *Gr Noida, UP, India*

College   *Nov 2021 - Dec 2021*

- A Platform to provide students all the needs they need to stay upto date with what happens in college to important stuff.
- Integrate with file storage by notion and chatting connectivity via Discord.
- Connects the students only with Jr and Seniors helping them connect and communicate together.
- **Technical Skills:** Python Language, Django for framework, matplotlib for visual analysis, API Integration for better experience.
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking, Ideation, Club Group managing.

WebRTC-SDP-Handshake : Vedio conference App   *Pune, UP, India*

Competition at VIT   *Dec 2022 - Dec 2022*

- This project is a WebRTC SDP application that allows two users to exchange SDP offer and answer. It demonstrates the process of creating and exchanging SDP offers and answers without the need for a signaling server.
- Create and exchange SDP offers and answers. Real-time video streaming between two users.
- **Technical Skills:** WebRTC, HTML, CSS, JS, UDP Protocol.
- **Soft Skills:** Prevention , Logical and Critical Thinking.

Skills

Programming	Python (Pandas, PyTorch, NumPy, Scikit-learn, Django, Flask .), HTML/CSS, JavaScript, SQL, AWS NodeJs.
Miscellaneous	Linux, Shell (Bash), Tableau, Microsoft Office, Firebase, Git.
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Languages

English	Professional proficiency
Hindi	Native proficiency
Japanese	Beginner proficiency

PUBLICATIONS

SecureLink Using P2P WebRTC
  Prateek Kumar Sigh ; Ritika Singh ; Shadiya Khan
  INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS (IJRAR.ORG) pp. 942–955. 2023

Work Experience

Digital Heroes   *Remote, India*
Back-End Software Engineer   *Jun 2023 - Aug 2023*
- I had the job of studying the old code and creating work flows and flowchart for the senior developers to convert it and use it in their new code base.
- Automated and optimised the data handling process for project data flow, working with Ubuntu OS Shell, and other Linux tools.
- **Technical Skills:** Python, Django , Flow Chart, Ubuntu Linux, Linux tools, Apt, Scripting, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Interests

Cooking	I love cooking. I am an expert in most Indian-style baking and making my own pasta.
Linux	Since 2020, I have been in love with Linux. I recently switched to Windows, which feels like UI version of Linux.
Technical Writing	I write descriptive blogs about Linux some of them are on my GitHub and Blog.
Art	I have always enjoyed drawing since I was a child. Recently, I have shifted to digital art mostly on Deviantart.
Video Games	I always had the gaming gene. I mostly play on my phone and occasionally on my switch.
Swimming	I started swimming when I was 12. Going through submerged things while holding my breath was the most exciting part.

References available upon request.