Prabhat Kumar Sharma

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M.Tech
Computer Technology
Indian Institute Of Technology, Jammu

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. (CT)	Indian Institute of Technology(IIT), Jammu	8.9 (Current)	2020-Present
B.Tech. (CSE)	NSUT East Campus (Formerly AIACTR) , New Delhi	8.27	2016-2020
Senior Secondary	CBSE Board	82.4%	2015
Secondary	CBSE Board	8.4	2013

EXPERIENCE

- **SDE Intern** — *Gurgaon, IN*
  Zomato Limited — Aug 2022 – Curr
  – Formulated the backend logic and optimized the search time of healthy business by 10x.
  – Backend tracking and feature experiments for user behaviour analysis.
  – Designed the consumption notification flow for delivery charge packs that increases the selling count by 5 million.
  – Developed the features for the delivery charge pack to enhance the business growth of Zomato.
  – **Tech Stack**: GoLang, GRPC, PHP, MySQL, Docker

- **EDG Intern** — *Bengaluru, IN*
  Mathworks — Jun. 2022 – Aug. 2022
  – Designed & Developed a MATLAB application for equivalence testing of the Simulink models.
  – Worked on Simulink design verifier to run invalid class test cases on a model.
  – Debugged the latest MATLAB release in India-wide competition.
  – Developed a classification model to optimize the build & test engine with 92% Accuracy.
  – **Tech Stack**: CPP, MATLAB, GIT, Simulink

PROJECTS

- **Weather Forecasting System** — *2022*
  Real-World Forecasting stations deployed in IIT JAMMU for landslide prediction.
  – **Tools & technologies used**: Python, Numpy, Pandas, Sklearn, IoT

- **Train App** — *2021*
  Developed full featured train booking application having features like live trains status, seats availability, train availability
  – **Tools & technologies used**: PHP, MySQL, JQery, REST APIs, Git

- **Acceleration Based Protection** — *2020*
  IoT applications detects the motions and acceleration of mobile phone using sensors and triggers the alerting system.
  – **Tools & technologies used**: HTML, CSS, ThingSpeak, MATLAB, Javascript
  – In mobile theft, accelerations cross the threshold limit and system locks the mobile which Leads to data protection

KEY COURSES TAKEN

- High Performance Computing , Computer Vision , Deep Learning, Data Organization and Information Retrieval, Linear Algebra , Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks

TECHNICAL SKILLS

- **Programming & Query Languages:** C/C++, Python, JavaScript, PHP, SQL, MongoDB, GraphQL
- **Tools & OS:** Git, Jupyter Notebook,Google Colab, Linux, Windows
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn, JQuery
- **Web Skills:** HTML/CSS/JS, ReactJS/NodeJS

POSITIONS OF RESPONSIBILITY

- **Student Head Co-coordinator,** Training & Placement Cell, IIT Jammu — *Present*
- **Research Assistant,** Central Computing and Communication Infrastructure (C3I), IIT JAMMU — *Aug. 2020 - Present*

ACHIEVEMENTS

- Consistently in the Top 3 during Master degree and Top 10 In all the semesters during Bachelor's Degree.
- Scored 290/300 In Code Kaze-21 (National Level Coding Competition).
- Secured 24th Rank in NJack Winter Of Code.
- 1614 (3*) Highest Rating on Codechef
- Secured Qualifier Round In Paytm- BFI Hackathon