



Prabhat Kumar Sharma

M.Tech
Computer Technology
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. (CT)	Indian Institute of Technology(IIT), Jammu	8.6	2020-2023
B.Tech. (CSE)	NSUT East Campus (Formerly AIACTR) , New Delhi	8.27	2016-2020
Senior Secondary	CBSE Board	82.4%	2015

EXPERIENCE

- Software Engineer** Bengaluru, IN
Mathworks India Pvt. Ltd. Aug. 2023 – Present
 - Upgraded Qt version for Mathworks, ensuring downstream product security with the latest patches.
 - Engineered a MATLAB application to perform equivalence testing on Simulink models.
 - Utilized Simulink Design Verifier to execute invalid class test cases on a model.
 - Reported issues in the latest MATLAB release during a nationwide competition in India.
 - Developed a classification model to optimize the build & test engine with 92% Accuracy.
 - **Tech Stack:** CPP, MATLAB, Simulink, Javascript
- SDE Intern** Gurgaon, IN
Zomato Limited Aug 2022 – Jan 2023
 - Formulated the backend logic and optimized the search time of healthy business by 10x.
 - Revamped backend tracking and conducted feature experiments, driving user behavior analysis, enhance outcomes.
 - Designed the consumption notification flow for delivery charge packs that increases the selling count by 5 million.
 - Developed innovative features for the delivery charge pack, resulting in a 20% increase in average order value.
 - **Tech Stack:** GoLang, GRPC, Git, PHP, MySQL, Elastic Search, Solr, Docker

PROJECTS

- Weather Forecasting System** 2022
Implemented Real-World Forecasting stations at IIT Jammu for accurate landslide prediction.
 - **Tools & technologies used:** Python, Numpy, Pandas, Sklearn, IoT
- Train App** 2021
Developed a train booking app featuring live train status, efficient train search and dynamic seat availability tracking.
 - **Tools & technologies used:** PHP, MySQL, JQuery, REST APIs, Git
- Acceleration Based Protection** 2020
Sensor-enabled IoT applications empower mobile devices to detect motion and acceleration, triggering timely alerts.
 - **Tools & technologies used:** HTML, CSS, ThingSpeak, MATLAB, Javascript
 - These applications seamlessly initiate alerts in response to irregular patterns, ensuring timely action.

KEY COURSES TAKEN

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

- **New Hire Interviewer & Mentor,** Mathworks India Pvt. Ltd. Present
- **Student Head Co-coordinator,** Training & Placement Cell, IIT Jammu 2021 - 2023
- **Research Assistant,** Central Computing and Communication Infrastructure (C3I), IIT JAMMU 2020 - 2023

ACHIEVEMENTS

- Consistently in the Top 3 during Master degree and Top 10 In all the semesters during Bachelor's Degree.
- Secured 2nd rank in mathworks bangalore hackathon.
- Secured 24th Rank in NJack Winter Of Code.
- 1614 (3*) Highest Rating on Codechef
- Secured Qualifier Round In Paytm- BFI Hackathon