PRABHAT KUMAR

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EDUCATION

National University of Singapore   **Aug 2022 - Present**
Bachelor of Computing in Computer Science (Hons)
- Awarded with NUS Science & Technology Undergraduate Scholarship.
- Specialisation in Artificial Intelligence & Software Engineering.
- Relevant course work: Software Engineering, Artificial Intelligence, Natural Language Processing, Data Structures and Algorithms , Database systems, etc.

Kendriya Vidyalaya No. 2 AFS Pune   **Aug 2019 - Sep 2021**
CBSE Class 12th
- Highest Scorer in School and Mumbai Region with overall score of 97.6% .
- Merit Certificate for being in the Top 1.5% of Students in KVS.
- Relevant course work: Mathematics, Chemistry, Biology, Physics, English and Computer Science.

Kendriya Vidyalaya No.1 AFS Gorakhpur   **Jun 2012 - May 2019**
CBSE Class 10th
- Highest Scorer in School and Varanasi Region with overall score of 96%.
- Relevant course work: Mathematics, Science, Social Science, English, Hindi.
- Qualified NTSE, Pre-RMO, RMO Olympiads.

WORK EXPERIENCE

Co-Founder , Full Stack Developer, Zerdence Technologies LLP, Gorakhpur   May 2020 - Oct 2023
- Founded Zerdence Technologies (formerly Blaze Consultancy Services) with other two founders to deliver IT & Necessary Technologies to the Businesses for Smooth Operation and Management.
- Became Entrepreneurial full-stack developer with a track record of building production-grade applications across diverse technology stacks. Leveraged cutting-edge frameworks and languages to deliver real-world solutions while leading a startup.
- Adhered policies and procedures related to application methods and quality standards at all times while managing and leading a team of 50 from various department Technical, Marketing, Sales, HR.
- Serviced for more than 100 Businesses providing wide range of IT solution to streamline Business requirements.

Undergraduate Teaching Assistant, National University of Singapore,   Aug 2023 - Present
Singapore
- Led instruction and mentored Computer Science Student across multiple high-impact computer science courses :-
- CS1101S: Programming Methodology - Teaching Feedback Score (4.8 / 5.0) - Managed a group of 6 students, teaching fundamental programming concepts Facilitated hands-on learning of recursion, iteration, and core algorithms
- CS2040S: Data Structures and Algorithms - Teaching Feedback Score (4.8 / 5.0) - Taught a group of 25 students advanced topics including trees, graphs, and dynamic programming Fostered problem-solving skills essential for software engineering roles.
- CS2030S: Programming Methodology II - Teaching Feedback Score (4.4 / 5.0) - Instructed group of 20 students on advanced paradigms such as Object-Oriented and Functional Programming Empowered students to design robust, scalable software architectures
- CS2102: Databases - Teaching Feedback Score (TBA) - Taught SQL query optimization and database system design, Mentored students in developing efficient, scalable data management solutions.

- CS3263: Foundations of Artificial Intelligence - Teaching Feedback Score (TBA) - Taught cutting-edge AI concepts including Bayesian Networks, Probabilistic Models, Generative AI, etc. Cultivated critical thinking skills for emerging technologies

Co-Founder & CFO, HopeTides, Gorakhpur   **Nov 2019 - Oct 2023**
- Founded HopeTides as a NGO helping needy people during Covid-19 in India with Food, Safety Equipments, etc.
- Applied technical knowledge to create website , telegram bot to provide information about essential resources such as Oxygen Beds, ICU beds availability status around the Area, served 10k+ Families across India.
- Continued the volunteering to new areas such as Education, Healthcare after Covid-19 along with other team members to instruct and feed more than 2000 orphans nearby.

Web Developer Intern, Block71 Global, Singapore   **Jul 2024 - Present**
- Collaborate with project leads over a 4 month internship to build and improve the Content Management Platform as well as optimize the Performance for website by 30% using Best Web Development practices.
- Collaborated in Backend development for web application for company internal management using PHP, MySQL, Amazon S3.
- Technical Stack - HTML, CSS, Javascript, NodeJS.

TECHNICAL PROFICIENCY
- Front-end : JavaScript, ReactJS , NextJS
- Backend-end : Java, Rust, GoLang, C/C++
- General Programming Languages: Python
- SQL & NoSQL databases
- Mobile Application : Dart and Flutter
- DevOps: Docker, Kubernetes, Jenkins, Github Actions

PROJECTS
- QuestAI - AI Powered LMS for Students
- D3D Market Scanner - Forex Market Analyser Mobile Application for Retail Trader
- KnowIt - Multiplayer Online Quiz based Game
- Edulink NUS - Utility Application for Professors to keep track of their past students

AWARDS & SCHOLARSHIP
- NUS Science & Technology Undergraduate Scholarship - One of 7 Indian Students awarded with Scholarship in Class of 2026
- National Talent Search Exam (NTSE) Scholar - All India Rank 2nd

EXTRA CURRICULAR ACTIVITIES
Co-Founder & Forex Trader, MetaX Trading, Gorakhpur, Uttar Pradesh   **Feb 2020 - Present**
- Started a Trading firm and taught student interested in Trading on Youtube.
- Aims to aware people about potential investment and teach right way to do so.
- Equipped necessary experience related to Forex & Crypto Trading and Currently working as a Full time Trader for MetaX Trading