

KARAM SINGH

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Education

Amity University

Bachelor of Technology in Computer Science and Engineering

CGPA - 8.01

Greater Noida, Uttar Pradesh

Amity University

Diploma in Computer Science and Engineering

CGPA - 7

Greater Noida, Uttar Pradesh

Internship

Wah Ji Wah Jammu

Front End Developer Intern

June 2023 – August 2023

Jammu, Jammu and Kashmir

- Designed and developed a responsive website using HTML, CSS, JavaScript, MySQL, XAMPP and React. Created interactive UI with dynamic menus, online reservations, and customer reviews.
- Ensured cross-browser and device compatibility. Managed code with Git for version control and collaboration. The use of XAMPP facilitated local testing and debugging before the site went live, ensuring a robust user experience across various devices and browsers.

In-Campus Amity University

App Developer Intern

February 2021 – April 2021

Greater Noida, Uttar Pradesh

- Developed an e-commerce app using Java and XML in Android Studio. Implemented secure user authentication and registration.
- Designed dynamic product listings with search and filter functions. Developed shopping cart and secure checkout features. Enabled order tracking and history.

In-Campus Amity University

Game Developer Intern

August 2020 – October 2020

Greater Noida, Uttar Pradesh

- Developed a classic brick breaker game using Unity and C Hash. Implemented game mechanics, including paddle/ball movement and collision detection.
- Optimized performance for various devices and ensured bug-free gameplay. Deployed game across Windows, Android, and iOS platforms.

Projects

Yoga Website | *HTML, CSS, JavaScript, MySQL, XAMPP*

January 2022

- Developed a yoga website using HTML, CSS, JavaScript, MySQL, and XAMPP. Ensured responsive and user-friendly design. Implemented dynamic content for class schedules and instructor profiles.
- Developed secure user authentication and login system. Managed MySQL database for user info and bookings. Added interactive booking and contact forms. Utilized XAMPP for local server setup and testing.

Virtual Math Tutor App | *Java, XML, Android Studio, ChatBot*

May 2022

- Developed a Virtual Tutor Math app in Android Studio with chatbot functionality. Implemented text-to-speech and speech-to-text features for interactive user experience.
- Enabled voice-activated math equation solving using Java and XML. Integrated algorithms to parse and solve various math problems.

Ethical Hacker | *Kali Linux, Python*

October 2020

- Conducted security assessments and penetration testing using Kali Linux. Identified and exploited vulnerabilities in networks, systems, and applications.
- Utilized tools like Metasploit, Nmap, Burp Suite, and Wireshark for comprehensive testing. Developed detailed reports with findings and remediation recommendations. Implemented security measures to protect against identified threats.

Publication

Exploratory Data Analysis on Healthcare Data

May 2024

IEEE Conference

Greater Noida, Uttar Pradesh

- At IEEE Conference, I published a research paper titled "Exploratory Data Analysis (EDA) on Healthcare Data." My work involved conducting comprehensive EDA to uncover patterns and insights within healthcare datasets, utilizing advanced statistical techniques and data visualization tools to analyze and present findings. This project demonstrated my proficiency in handling large datasets and deriving meaningful conclusions relevant to healthcare. By contributing innovative approaches to data analysis in the healthcare sector, my research advanced both academic and practical understanding. Additionally, I actively engaged with peers and experts during the conference to discuss research methodologies and implications, further enriching the field.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, Android Studio, Sublime Text, Brackets, Turbo C++

Applications: Power BI, Ms Excel, Ms Word, Powerpoint Presentation, Google Sheets

Certificates

Data Analytics and Visualization Virtual Experience from Forage: 02/2023

Java from HackerRank: 08/2022

Python from HackerRank: 08/2022

Introduction to Machine Learning, NPTEL : 07/2022 - 10/2022

Innovating with Data and Google Cloud : 07/2022

Digital Transformation with Google Cloud : 07/2022

Interest

- | | | | |
|----------------------------------|--------------------|-----------------|------------------|
| • Data Structures and Algorithms | • Machine Learning | • Web Developer | • UI/UX Designer |
| • Artificial Intelligence | • Robotics | • App Developer | • Data Analysis |

Leadership / Extracurricular

IEEE Conference

May 2024

Participated

Amity University

- Published research paper titled "Exploratory Data Analysis (EDA) on Healthcare Data" at an IEEE Conference. Conducted comprehensive EDA to uncover patterns and insights in healthcare datasets. Utilized statistical techniques and data visualization tools to analyze and present findings.
- Engaged with peers and experts during the conference to discuss research findings and implications.

Event Management

2022 - 2024

Volunteer

Amity University

- Actively contributed as the primary volunteer for various campus events over three years. Demonstrated strong organizational skills in event planning, logistics coordination, and execution, ensuring successful outcomes.
- Played a crucial role in ensuring smooth event operations by managing tasks such as registration, crowd control, and participant coordination. Collaborated effectively with organizers, volunteers, and vendors to deliver memorable event experiences.

Sangathan

2022-23

Head

Amity University

- Coordinated the participation of students in various sports activities, ensuring maximum representation and engagement. Organized and managed event logistics, including scheduling, team formations, and resource allocation.
- Represented the university in official capacities, enhancing its presence and reputation at the event. Fostered teamwork and sportsmanship among participants, promoting a positive and competitive spirit.
- Awarded a silver medal in basketball and a trophy, recognizing outstanding performance and contribution to the event.

Amity-SKIDOS Hackathon 2.0

February 2022

Participated

Amity University

- Developed a virtual math tutor app as part of Team Amity for the Amity-SKIDOS Hackathon 2.0. Created an interactive and educational app to help students improve their math skills. Implemented features such as step-by-step problem-solving, interactive quizzes, and progress tracking.
- Collaborated with team members to design and develop the app within the hackathon's timeframe.

Declaration

I, Karam Singh, hereby declare that all the information provided in this resume is true, complete, and accurate to the best of my knowledge and belief. I understand that any false statements or omissions may result in disqualification from employment opportunities or termination if employed.

Signature