

CHAVDA YASH NAYANKUMAR

COMPUTER SCIENTIST



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PROFILE SUMMARY

As a passionate Computer Science graduate from Western University, I possess a well-rounded understanding of theoretical concepts and practical applications in the field. Through rigorous course work and hands-on projects, I've developed a strong foundation in programming, algorithms, and software development methodologies. Few internships have further refined my skills and provided real-world experience.

EDUCATION

Western University, London, ON, CA (2022 - 2023)

Master's of Computer Science (pursuing)

Courses: Network Security, Adv. Databases, Theoretical Machine Learning, HCI, Unstructured Data, Strategic Innovation and Commercialization, Advanced Machine Learning

I have participated in a couple of workshops with the aim of gaining practical insights into the functioning of various industries.

Indus University, Ahmedabad, GJ, IN (2018-2022)

Bachelors of Technology in Information Technology

Course: Calculus & Algebra, C, C++, JAVA, Python, DBMS, DSA, Operating Systems, Web Technology, Data Science, Computer Networks, Design & Analysis of Algorithms, IOT, Big Data Analysis

I have actively taken part in numerous competitive programming contests both within Indus University and at other academic institutions. Additionally, I achieved the runner-up position in two of these competitions.

WORK HISTORY

Web Developer (Sept 2019 - Apr 2020)
at PM Communications (Ahmedabad, IN)

HTML5 - CSS(Bootstrap) - JS - React - MongoDB

- I adeptly applied HTML, CSS, Bootstrap, and JavaScript skills acquired during my Bachelor's to real-world projects. Collaborating closely with developers, I identified and resolved software bugs, ensuring seamless functionality.
- I consistently delivered clear, efficient code for various projects, adhering to best practices in software design. Analysing source code, I pinpointed areas for improvement, enhancing overall functionality.
- In team meetings, I actively contributed ideas and updates on deadlines, designs, and enhancements. This experience refined my technical expertise and deepened my understanding of effective software development practices.

JAVA Developer (Mar 2020 - Aug 2020)
at Royal Technosoft (Ahmedabad, IN)

Spring Boot - MySQL - CRUD

- Joining Royal Technosoft in my second year of undergraduate studies marked a pivotal point in my professional journey. During my tenure, I had the privilege to engage with professionals from diverse industries and immerse myself in the world of JAVA development. This experience not only enriched my skill set but also culminated in my achievement of the JAVA SE 8 certificate from Oracle.

UI/Graphic Designer (Nov 2020 - April 2021)
at My Study Buddy (Remote)

Adobe PS - Adobe XD - CorelDRAW - Canva

- I proficiently utilized Adobe XD, Adobe Photoshop, CorelDraw, Figma and Canva to create impactful infographics and posters. These visuals served as essential components for our software developers to construct Single Page Applications (SPAs) effectively.
- My role involved close collaboration with product teams to articulate both visual and functional specifications. I conducted live user testing to assess the efficacy of designs.
- Leveraging wireframes, mock-ups, and prototypes, I established the foundation for user interface design and architecture. Additionally, I adeptly transformed abstract concepts and requirements into user personas and storyboards, ensuring a user-centric approach to our design.

PROJECTS

Question-Answer forum with embedded E-Commerce

MERN Stack

Report

For our Bachelor's User Defined Project (UDP), my two friends and I developed a platform combining elements of Quora and an e-commerce site. Users earn points for upvotes and lose coins for downvotes, which can be used to purchase items from the platform. We built the entire project from the ground up, utilizing the MERN stack. We implemented JWT authentication for email logins and integrated Firebase for Google and Facebook logins. Our frontend was created with HTML, CSS (Bootstrap), and JavaScript using the React framework. On the backend, we utilized Node.js, and for database storage, we employed MongoDB.

Recommendation System using ML Algorithms

Machine Learning

Report

In my second term of my Master's program, me and two friends teamed up to dive into the world of machine learning. We crafted a pretty cool movie recommendation system. We used some high level algorithms like K-Nearest Neighbors (KNN), Softmax Deep Neural Networks (DNN), and Singular Value Decomposition (SVD) to make it tick.

Brain Computer Interface using MNE python data and Neural Network

Machine Learning

in progress

As part of my directed study, my professor suggested an intriguing project: delving into the workings of brain waves (EEG) and exploring methods to remove artifacts and noise. The goal was to convert it to MEG and evaluate the most suitable machine learning models for the task. Through dedicated training and experimentation, I enhanced the model's efficiency and accuracy. Moving forward, I'm excited to implement MAAAP, enabling engineers to deploy this solution on hardware effectively.

Personal Projects

Web Development

Github repos

In my free time, I love diving into MERN stack development. It's where I get to build cool, interactive websites. Plus, I'm always on the lookout for new web tech. Staying up-to-date with the latest trends and tools keeps me sharp and ready for whatever comes next in web development.

PROFICIENCIES

Languages: C, C++, Java, Python, HTML, XML, CSS (SAAS, Bootstrap, Tailwind), JavaScript (Es6), SQL, GIT, Data Structures and Algo

Technologies: ReactJS, NodeJS, ExpressJS, Machine Learning, UI/UX, Graphic Designing, Web Development, Data Analysis, Data Mining

Tools/Apps: VSCode, Collab, MSWord, MSExcel, MSPowerPoint, Figma, CorelDraw, AdobeIllustrator, AdobeXD, AdobeAE Canva

OTHER EXPERIENCE

Shift Manager (Oct 2022 - present) at Five Guys (London, ON)

Leadership - Communication - Teamwork - Customer Service
- Time management

- As a Shift Leader at Five Guys for over a year, I gained valuable leadership experience in a fast-paced environment. I oversaw daily operations, ensuring seamless teamwork and top-notch customer service.
- One of the highlights was leading and motivating a diverse team, resolving conflicts, and efficiently delegating tasks. I also played a key role in training new staff, ensuring they were well-versed in company policies and procedures.
- This role sharpened my problem-solving abilities and attention to detail. I excelled in high-stress situations, making quick decisions and adapting as needed. My customer-centric approach ensured every guest had a memorable dining experience.

LANGUAGES

English - Fluent - Hindi - Native - Gujarati - Native

HOBBIES

Playing Cricket, Listening Music, Drawing, Travelling, Shopping