

HARSHIV PATEL

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SUMMARY

Dedicated professional with over two years of web and software development expertise, adept in Javascript technologies and Django framework. Committed to producing clean, organized, and readable code. Demonstrates quick learning and strong communication skills, facilitating efficient collaboration and impactful contributions.

EDUCATION

M.Sc., Computer Science September 2022- Present
Lakehead University, Thunder Bay, ON 3.67* GPA
Relevant coursework: Natural Language Processing, Pattern Recognition, Artificial Intelligence, Computer Security

B.Tech., Information and Communication Technology Jul 2017 - May 2021
Ahmedabad University, Gujarat, India 3.34 GPA
Relevant coursework: Data structure & algorithms, Database Management, Computer systems, Software Development, Machine Learning, Data Analytics and Visualization, and Probability

TECHNICAL SKILLS

Programming languages: JavaScript, Python, Typescript, C#, C++, Java
Web Development: HTML, CSS, Chakra-UI, Material-UI, Bootstrap
Frameworks & Libraries: React.js, Node.js, Express.js, Mongoose, Django, Redux, Next.js
Database: MySQL, NoSQL, MongoDB, Firebase
Tools: Git, GitHub, Linux commands, VSCode, Postman, JIRA, Agile methodologies
Cloud Technologies: Docker, Heroku, CI/CD

PROFESSIONAL EXPERIENCE

Software Developer Intern, Ceridian May 2023 – Dec 2023

- Engaged in code reviews, debugging, and troubleshooting to help maintain the code quality and reliability of the application, **resulting in 0 disrepair tests from 20+.**
- Demonstrated machine learning, technical documentation, and data analysis skills for an innovative Smart Copy Week feature meant to predict employee schedules, which was well-appreciated.
- Wrote **automation tests in C#** for APIs and UI components, ensuring functionality and performance.
- Achieved over **80% code coverage on multiple backend modules** by writing comprehensive unit tests.
- Served as Scrum master, leading meetings, sprint planning, and retrospectives.
- Skills:** C#, Python, Data Visualization, Unit Testing, Test Automation, OOPs, Specflow, Jira

Project Engineer, Curl Apr 2022 – Dec 2022

- I worked on Sara CF, an Intelligent Data Extraction platform to extract relevant information from any digitized document.
- Built **scalable and responsive UI** of the product and enhanced the features per the requirements.
- Responsible for delivering end-to-end development of web and single-page applications.
- Skills:** TypeScript, React.js, Redux, CSS, Docker, REST APIs, Jira, Agile Methodologies

R & D Engineer, SnowM July 2021 – May 2022

- Developed micro-services and features and resolved defects of the company's internal product to effectively manage the client's devices, users, and businesses.
- Assured the quality of the deliverable with regression tests under the guidance of the scrum master.
- Skills:** Node.js, React.js, Chakra-UI, Quality assurance, Bitbucket, Docker

Web Developer Intern, KlaasX

Dec 2020 – Jun 2021

- Built a timer-based quiz similar to Google Forms and a chat application for tutors and students, leading to effective communication and increased client interest.
- Added features to visualize attendance and grades of several learning institutes using Django and d3.js.
- Created efficient landing pages for the ed-tech platform using React.js per the design, which **reduced the loading time of the pages from an average of 8s to 3s.**
- **Skills:** Django, Python, Bootstrap, HTML, CSS, Javascript, React.js, Data visualization

PROJECTS

Gaze Following

Aug 2020 – Nov 2020

- Built a pipeline to identify gazed objects from an uploaded image.
- Delivered the functionality as a SaaS to include services of uploading images, storing them to AWS EC2 instance, and executing trained ML models to generate outputs.
- **Framework and Concepts:** Artificial Intelligence, Python, Cloud Computing, Flask, AWS EC2

BooXchange

Jan 2020 - May 2020

- Built a MERN stack web application through which people can rent and lend learning resources easily.
- Agile software development principles were utilized to build the product, considering viable business planning strategies. <https://booxchange2020.herokuapp.com/>
- **Framework and Concepts:** MERN Stack, Scrum, Software Development

Process Scheduling Simulator

Aug 2019 - Nov 2019

- Implemented scheduling algorithms such as SJF, FCFS, and Round Robin using threads with visualizations of GANTT chart, Turnaround time, and simulating process execution.
- **Language and Concepts:** Java, Object Oriented Programming, Java GUI, Operating Systems

Inventory management using C

Aug 2017 - Nov 2017

- Created an inventory management software for the local retail stores using C to manage their stock, sales, and employee details.
- Users enter SQL-like commands to interact and execute CRUD operations via the terminal.
- **Language and Concepts:** C, Programming, Data structures, Algorithms

OTHER WORK EXPERIENCE

Teaching Assistant (Website and Social Media Committee), Ahmedabad University

Jan 2020 – May 2021

- Tutored several junior students in web development and was part of the core committee to design and develop the university's website.

Core Committee Member, Ingenium Tech Fest

2019

Volunteer, Ingenium Tech Fest

2018

ACHIEVEMENTS

Merit Scholarship, Ahmedabad University

2017 - 2019

- Received scholarship based on academic performance in the first three university years for tuition fee.

Joint Entrance Examination Mains

May 2017

- Scored 195/360 in JEE MAINS 2017. Securing a rank in the top 10,000 out of 12 lakh students.

CERTIFICATIONS

Data Scientist & Machine Learning Track with Python, *Datacamp*

HTML, CSS, & Javascript for Web Developers, *John Hopkins University, Coursera*

Python for Everybody Specialization, *University of Michigan, Coursera*

Neural Networks & Deep Learning, *deeplearning.ai, Coursera*

Applied Machine Learning in Python, *University of Michigan, Coursera*

The Data Scientist's Toolbox, *Johns Hopkins University, Coursera*