Sarthak Deshmukh

Available for **full-time software engineering co-op position** starting **May 2025 through Dec. 2025**

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EXPERIENCE

Software Engineer   **June 2021 − July 2024**
Accenture   *Mumbai, India*

- Developed features for a **chatbot** application with **React**, **AngularJS** integrated with **Azure** and **SQL Server**
- Improved operational efficiency, reducing task completion time by 2 hours per team member
- Collaborated with cross-functional teams to enhance **Microsoft Bot Framework**, resulting in a 10% reduction in response time for customer inquiries
- Implemented Azure **cloud-based solutions** for data storage and processing, optimizing cost and performance for client projects

Software Engineer Intern   **Jan. 2019 − March 2021**
IT-Networks Infosystems   *Nagpur, India*

- Developed full-stack web applications using **PHP** and **MySQL**, improving system scalability and security
- Played a key role in creating and maintaining data-driven solutions to enhance user engagement by 20%
- Applied principles of **site reliability engineering** to ensure high uptime and performance of web applications
- Collaborated with the **UI/UX** team to design intuitive user interfaces using **Material-UI**

EDUCATION

Northeastern University   **Boston, MA**
Master of Science in Information Systems   *Sep. 2024 – Graduating April 2026*

Nagpur University   **Nagpur, India**
Bachelor of Engineering in Computer Science   *August 2017 – April 2021*

PROJECTS

AI Course Advisor 🔗 | *React, Redux, Express, MongoDB, REST API*   **Nov. 2024 − Dec. 2024**

- Developed a web application using **Llama-70-b** and **Groq API** for personalized course recommendations.
- Implemented **Json Web Token** http cookie authentication to get user's data
- Explored **prompt engineering** techniques to provide accurate course suggestions based on students' profiles
- Utilized **Redux** for efficient state management to handle dynamic user data and ensure seamless updates across the application and Material-UI user interface

Online Examination Web Application 🔗 | *PHP, AWS, Git, BootStrap*   **May 2018 − May 2020**

- Built an online exam platform capable of handling thousands of concurrent users with low latency
- Developed flexible assessment features like timed and untimed exams, catering to various subscription levels
- Implemented user authentication and real-time score tracking to improve user engagement and exam management
- Deployed the system on **AWS** using **Terraform** for scalability and high availability, ensuring reliable performance during peak loads

TECHNICAL SKILLS

Languages: C#, Java, Python, C / C++, SQL (MySQL), JavaScript, HTML/CSS
Frameworks: React, Redux, Express, Node.js, Material-UI
Developer Tools: Git, Amazon Web Services (AWS), Terraform, Google Cloud Platform (GCP), Packer
Other: Software Development Life Cycle, Prompt Engineering, REST API, CI/CD, Linux, Agile Development
Certifications: Azure Developer Associate 🔗, Azure Fundamentals 🔗, Microsoft Certified Professional 🔗

ACHIEVEMENTS/EXTRA-CURRICULAR

- **Event Organizer** for Techfest 2020 at Nagpur University, coordinated logistics, managed team communications, and helped organize workshops and panels, attracting 500+ participants

- **Volunteered** as a **mentor** for high school students learning coding, helping them develop problem-solving and programming skills, fostering a passion for technology