

Smit Soni

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LinkedIn | GitHub



Profile

Artificial Intelligence Engineering graduate with experience building data-driven systems, interactive visualizations, and high-performance software. Combines strong technical problem-solving with hands-on leadership in high-pressure, customer-facing environments. Proven ability to manage operations, analyze complex data, and deliver practical solutions. Targeting Product, Consulting, Business Analysis, and technical coordination roles.

Core Skills

Business & Management: Operations Management, Team Coordination, Customer Escalation Handling, Process Optimization, Stakeholder Communication, Analytical Thinking, Problem Solving

Technical: Python, JavaScript, TypeScript, C/C++, Rust, SQL, React, D3.js, REST APIs, Data Visualization, Machine Learning Basics, Similarity Metrics

Tools & Platforms: Git, Docker, Linux, Bash, Google App Engine, Unreal Engine

Experience

Pommes Freunde

Shift Manager

May 2024 - Present

Passau, Germany

- Lead daily shifts with usually 2-4 employees and coordinate work between the counter and kitchen.
- Resolve customer complaints, delivery-platform issues, staff shortages, and other operational problems during service.
- Handle cash closing, stock checks, shift handovers, and onboarding of new employees.

Universität Passau

Student Assistant

Mar 2023 - Sep 2023

Passau, Germany

- Replaced a MongoDB-based setup with a simpler JSON-based storage solution on Google App Engine.
- Improved the LaSeR-Bench tool by rebuilding parts of it in Rust, reducing system lag.
- Reworked selected components in Rust and automated setup and testing workflows with Python, Bash, and Docker.

ViewApp GmbH

Multimedia Software Developer

May 2023 - Jun 2023

Freilassing, Germany

- Worked on route calculation for a vehicle simulation project in Unreal Engine.
- Improved navigation logic with a focus on accuracy and real-time performance.
- Integrated and tested routing improvements together with the development team.

DXC Technology

Associate Software Engineer / Trainee

Mar 2021 - Sep 2021

Bengaluru, India

- Completed structured training in software development, databases, and cloud technologies.
- Worked with Java, Oracle databases, HTML, CSS, C/C++, Azure, and cloud basics during training.
- Supported debugging, programming exercises, and smaller feature-improvement tasks in a structured team environment.

Hindustan Coca-Cola

Intern

May 2019 - Aug 2019

Bengaluru, India

- Supported system and network stability across operational zones.
- Resolved technical issues to help maintain uninterrupted operations.

Projects

- NetworkMind - AI Search and Routing Prototype** [GitHub] May 2026 - Present
- Co-built a web prototype that routes user questions to AI and search tools and combines the results into one answer.
 - Worked on prompt flow, tool selection, fallback handling, and testing using Next.js, TypeScript, Prisma, and external APIs.
- Master's Thesis - Comparative Visualization of High-Dimensional Data using Feature-Wise Binning and Similarity Metrics** [GitHub] Sep 2025 - Mar 2026
- Built a web-based tool to visually compare high-dimensional datasets.
 - Created interactive visualizations using React, TypeScript, and D3.js.
 - Implemented three feature-wise binning methods: Gaussian, Voronoi, and GAI.
 - Compared datasets using EMD, SSIM, and MS-SSIM similarity measures.
 - Tested the system on synthetic and real-world datasets.
- COVID-19 Prediction Using Chest X-Rays Based on Convolutional Neural Networks** [Publication] Feb 2021 - Mar 2021
- Developed a CNN-based machine learning model in Python to classify chest X-ray images for COVID-19 detection.
 - Focused on practical medical image classification and early-stage decision support.
- Drowsiness Detection System Using Haar Classifiers** [Publication] May 2020 - Aug 2021
- Built a real-time drowsiness detection system using OpenCV and Haar classifiers.
 - Implemented alert-based monitoring using computer vision techniques.

Education

- Universität Passau** 2021 - 2026
M.Sc. in Artificial Intelligence Engineering Passau, Germany
- Universität Passau** 2022
Honors Degree in Entrepreneurship Passau, Germany
- REVA University** 2017 - 2021
B.Tech in Computer Science and Engineering Bengaluru, India

Achievements

- Winner - Magic Leap Challenge, Global Start Hack, St. Gallen
- Winner - ULTRON Coding and Debugging Competition, Bengaluru
- Runner-Up - CODECODE, IIT Bombay

Languages

English: C1 **German:** A2