Sahil Shindgikar

AI / Machine Learning Engineer | Software Engineer

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PROFILE

Computer Science graduate (First Class Honours) from the University of Sussex, currently interning at MetLife, building agentic AI systems. Experienced in end-to-end ML pipelines, deep learning models, and distributed event-driven systems. Strong communicator with leadership experience across technical and cross-functional teams. Proficient in Python, PyTorch, and AWS. Available from September 2027 and seeking graduate AI/ML or Software Engineering roles.

EDUCATION

BSc (Hons) Computer Science - University of Sussex *Sept 2023 – June 2026*

Overall Average: 77% - First Class Honours

Highlights: Computer Systems (100%), Mathematical Concepts (98%), Compilers & Architecture (93%), Program Analysis (91%)

Modules: Applied Machine Learning, Data Structures & Algorithms, Operating Systems, Software Engineering, Databases

Award: 1st Place (hub) - Engineers Without Borders Global Design Challenge 2024

BTech Computer Science (Year 1) - PES University, Bangalore *Sept 2022 – May 2023*

TECHNICAL SKILLS

Languages: Python (Advanced), Java, C, SQL, TypeScript, JavaScript

AI / ML: PyTorch, Hugging Face Transformers, CNNs, GANs, NLP, Computer Vision, Agentic AI (Microsoft Copilot Studio)

Cloud & Infrastructure: AWS (EC2, S3, IAM), Microsoft 365 / Azure, Docker, MinIO, Linux, Git/GitHub

Distributed Systems: Apache Kafka, Event-Driven Architecture, Spring Boot, REST APIs, JWT Auth, MinIO, FFmpeg

Databases: PostgreSQL, MySQL

Parallel Computing: CUDA, GPU Computing, Parallel Algorithms

Tools: Claude Code, GitHub Copilot

EXPERIENCE

IT & AI Solutions Intern - MetLife *Aug 2026 - Aug 2027 | Brighton, UK*

- Building an agentic AI system on Microsoft Copilot Studio enabling employees to discover key internal documentation and receive guided support within company policy constraints.

Committee Member - HackSussex *Jan 2026 - Jun 2026 | Brighton, UK*

- Co-led branding and visual design for a 200+ participant hackathon, coordinating assets across print and digital channels.
- Supported hackathon participants with debugging and Git workflows during events.

Work Experience Intern - Just Group Plc (FTSE-listed) *Aug 2025 | London, UK*

- Collaborated within an Agile team, observing code review processes and cloud-native architectural patterns in a regulated enterprise environment.
- Explored applied AI automation tools (Microsoft Copilot, Google Veo) and contributed to discussions on AI-driven process improvements.

Student Team Leader - Engineers Without Borders UK *Jan - Feb 2024 | Brighton, UK*

- Led a 5-person multidisciplinary team to deliver a sustainable off-grid solar proposal for the village of Pu Ngaol, Cambodia.
- Awarded 1st place in the GDC 2024 hub; re-allocated responsibilities under deadline pressure to maintain team output.

PROJECTS

Computational Time Perception - Python, PyTorch, AlexNet *2026*

- Built a multimodal deep learning model using AlexNet CNN features and Bayesian integration to simulate human time perception.
- Independently designed the architecture and evaluation pipeline, benchmarking against psychophysical data.

Kafka Media Platform - Java, Spring Boot, Apache Kafka, Docker *2026*

- Built a distributed video platform with Spring Boot microservices coordinated by Kafka workers, supporting JWT-authenticated asynchronous uploads.
- Implemented FFmpeg multi-resolution transcoding with HLS adaptive streaming, PostgreSQL metadata storage, and MinIO object storage.

Propaganda Detection NLP - Python, DeBERTa, Hugging Face *2026*

- Fine-tuned DeBERTa-v3-large for propaganda technique classification; built a two-stage span detection pipeline using token classification.
- Evaluated across macro F1, token-level span F1, and joint exact match - strong performance across both subtasks.

ResumeGenie - Python, Generative AI, REST APIs *2026*

- Built an AI pipeline that parses job descriptions, programmatically optimises resumes for ATS keyword filters, and generates tailored interview preparation materials.
- Automated the discovery-to-application workflow using job APIs and RSS feeds, with filtering by skills, location, and work mode.

ML Face Alignment - Python, PyTorch, OpenCV *2025*

- Developed a CNN + Ridge Regression pipeline to detect 15 facial landmarks; evaluated against classical baselines with full visualisation.

SELECTED CERTIFICATIONS

DeepLearning.AI / Stanford: Supervised ML · Advanced Learning Algorithms · Unsupervised Learning & RL (2024)

Amazon Web Services: Cloud Technical Essentials · Data Analytics on AWS · Architecting Solutions · Data Lakes (2025)

Johns Hopkins: Parallel Programming with CUDA · Concurrent Programming with GPUs (2025)

ADDITIONAL

Languages: English (Fluent) · Hindi (Native) · Marathi (Native) · French (Intermediate)

Interests: AI ethics · Photography · Guitar · Hiking · Gym & fitness