

Shreyansh Kabra

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EDUCATION

Master of Science, Computer Science Jan 2025-Dec 2026 (Expected)

University of Southern California, Los Angeles, California

Bachelor of Technology, Computer Science And Engineering Aug 2018-May 2022

JECRC University, Jaipur, Rajasthan

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, SQL, HTML, CSS

Frameworks & Libraries: Django, Django REST Framework, Pandas, NumPy, Asyncio, Node.js, React.js, Tensorflow, Keras

Tools & Platforms: Google Cloud Platform, PostgreSQL, Git, ServiceNow, Postman, pgAdmin, MongoDB

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Web Development, Machine Learning

PROFESSIONAL EXPERIENCE

Cloud Developer 1, Hewlett Packard Enterprise, Bangalore Aug 2022-Dec 2024

- Developed and deployed 100+ RESTful APIs using Python, Django, and Django REST Framework for an Invoice Management and Contracts Onboarding Portal, enabling seamless data synchronization between PostgreSQL databases and ServiceNow.
- Led end-to-end development of a web-based email notification system (API + UI), empowering users to send targeted email notifications with attachments, enhancing communication and workflow throughput by 80%.
- Created REST APIs for the HPE GreenLake and Service Insights Portal (NaaS Experience Platform), enabling smooth integration and improving cross-modules efficiency by 30%.
- Engineered responsive UIs and ITSM forms using React.js, cutting user submission errors by 50% and improving task/request management.
- Mentored 3 junior developers and collaborated with 10+ cross-functional international teams, accelerating delivery of GreenLake and NaaS platform APIs that improved inter-module performance by 30%.

Internship in NaaS Team, Hewlett Packard Enterprise, Bangalore Jan 2022-Aug 2022

- Created a Python package utilizing asynchronous functions to automate setup and calibration of network devices, including switches and Instant Access Points (IAPs), eliminating over 90% of manual configuration efforts previously required by network engineers.
- Streamlined troubleshooting report generation process, reducing manual configuration efforts for network engineers by 70%.
- Achieved a reduction of over 50% in task completion time through implementation of efficient asynchronous execution, improving overall operational efficiency.
- Developed robust REST APIs to facilitate seamless connection between ServiceNow and other applications, boosting data exchange and operational efficiency by 50%.

ACADEMIC PROJECTS

Transfer Learning for Image Classification (Keras, Tensorflow)

Jun 2025-Jul 2025

- Implemented a waste image classification system using transfer learning with pre-trained CNN models (EfficientNetB0, ResNet50/101, VGG16) to classify 9 waste categories; achieved 83% validation accuracy and 97.66% AUC with EfficientNetB0.
- Built and trained models using TensorFlow/Keras, OpenCV, and scikit-learn; applied data augmentation, early stopping, learning rate scheduling, and handled class imbalance using computed class weights.

Artist Search Android Application (Kotlin, Node.js, MongoDB)

Apr 2025-May 2025

- Crafted a native Android mobile application utilizing Kotlin and Android SDK for the frontend, with a Node.js and Express backend integrating the Artsy API for 100,000 artists and artworks.
- Enforced secure data access through tokenized authentication and persistent storage with MongoDB.

Artist Search (React.js, Node.js, MongoDB, GCP)

Mar 2025-Apr 2025

- Engineered a full-stack web application leveraging React.js for frontend and Node.js with Express for backend, integrating the Artsy API to display detailed information about 100,000 artists and artworks.
- Implemented JWT-based user authentication with access tokens for secure login and session management.
- Structured MongoDB collections for streamlined management of users and catalog data.
- Hosted the web application on Google Cloud at `artsy-shrey-3.wl.r.appspot.com` using App Engine.
- Attained the perfect Lighthouse scores 100% for mobile and desktop performance and accessibility.

ACADEMIC ACCOMPLISHMENTS & EXTRACURRICULAR

Vice President, Photography Club

- Led 20-member team, mentored junior photographers, and organized 15+ campus events.
- Won INR 10,000 in a national-level competition for visual storytelling.