

Shivang Agarwal

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Education

M.Tech (Computer Science)
7.9 CGPA | *Upto 3rd Semester* Aug 2023 - Aug 2025 WILP-BITS Pilani

B.Tech (Computer Science and Engineering)
8.76 CGPA Aug 2019 - May 2023 SRMCEM, Lucknow

Intermediate (ISC board)
96.5% | *PCM & CS* 2019 City Montessori School, Lucknow

Work Experience

Scholar at SAP

- August 2023 - Present
- Enrolled in the **WILP Master's program at BITS Pilani**.
- Contributed as a developer to tackle inventory management challenges using JIT (Just in Time) principles, utilizing **UI5** and **ABAP**.
- Currently working as a full-stack developer in the **Intelligence Product Recommendation (IPR)** team.
- Developed a multi-target regression model using **Tensorflow and Python**, and implemented backend services using **Java CAP** and a graphical UI dashboard using **UI5**.

Internship at Nagarro

- March 2023 - July 2023
- Worked as a **DevOps Trainee** at **Nagarro**.
- Gained hands-on experience in **DevOps pipeline development** and **deployment strategies** using **AWS**.
- Created and maintained **CI/CD pipelines** using tools such as **Jenkins**, **Ansible**, **Terraform**, **Artifactory**, **Docker**, and **Kubernetes**.

Amazon ML Summer School 2022

- June 2022 - July 2022
- Selected for **Amazon ML Summer School 2022**, an exclusive program focused on Machine Learning.
- Attended lectures delivered by Applied Scientists at Amazon on various **Machine Learning** topics.
- Covered modules in **Supervised Learning**, **Deep Neural Networks**, **Dimensionality Reduction**, **Unsupervised** and **Reinforcement Learning**.

Projects

FareCalc TechStack: Python, Django, HTML/CSS, Pandas, Numpy, scikit-learn

- Predict the fare of a flight taking into consideration some parameters.
- Features include **fare prediction** and **data visualization to compare all airlines fares based on prediction**.

Source-code: [Github](#) | Deployed URL: [Deployed Link](#)

MailAutomate TechStack: Python, Django, Pandas, Numpy, Smtplib, Request

- Solved a problem where user can send custom emails attached with different files to multiple users within few minutes.
- Features includes **custom mails** and **sending mails via predefined templates**.

Source-code: [Github](#)

Smart House Device Management TechStack: Node.js, React.js

- Developed a reusable **Smart House Device Management** service that integrates with any firmware via APIs for user and device registration, command execution, and usage monitoring.
- Features includes **device analytics**, **maintenance**, and **carbon footprint tracking** within a **microservice architecture** with an **API Gateway**.

Source-code: [GitHub](#)

Technical Skills

- LANGUAGES:** Java, Python, Javascript, SQL, ABAP
- FRAMEWORKS:** React.js, Node.js, Django, UI5
- DATABASES:** MongoDB, MySQL
- TOOLS:** Excel, Linux, Git, Postman, Insomnia, Docker, Kubernetes
- ML LIBRARIES:** Tensorflow, scikit-learn, NumPy, Pandas, Seaborn, Matplotlib, nltk

Achievements

- Scholarship:**
 - AI Programming with Python Nanodegree by AWS and Udacity
- Selections:**
 - Amazon ML Summer School 2022.
 - In Top 100 winner in AWS DeepRacer India, qualifying for Semi-final.
- Competitions:**
 - Ranked 906th out of 8235 in JOB-A-THON by Analytics Vidhya.
 - Ranked 5th in Konst April 2021 by SRMCEM, Lucknow.
- Events:**
 - Secured 2nd position in Gantavya 2019 Autonomous Bot event by SRMCEM.
 - Ranked 5th in Konst April 2021 by SRMCEM, Lucknow.

Public Profiles

- Leetcode: [Shivang11](#)
- Codechef: [shivang_1105](#)
- Kaggle: [shivang11agarwal](#)

Certification

Foundations:Data,Data, Everywhere

- Authorized by Google and certified through Coursera.

Sep 2021 - Present Remote

STEM Connect Virtual Experience Program

- Organised by Delloite through Forage Platform.

Sep 2021 Remote

Introduction to Structured Query Language (SQL)

- Certified through Coursera.

Jan 2022 - Present Remote

Generative AI at SAP

- Authorized and certified by SAP.

Dec 2023 - Present Remote