

PROFILE

Experienced software engineer specialising in Python with expertise in backend development, ML (NLP), and AWS. Skilled in Agile methodologies, Git, and delivering scalable cloud-based applications. Eager to contribute to innovative projects and collaborate with talented individuals for success.

SKILLS

- **Python** - Web development, backend scripting, AI development, APIs: Flask, Django, Pandas, Scikit-learn, Scipy, Numpy
- **Amazon AWS** - ECS, ECR, EC2, Lambdas, Step functions, DynamoDB, Cognito Pool, IAM, Code Commit, S3, SQS, APIs, Amplify
- **Frontend** - HTML5, JavaScript, CSS
- **Database** - MySQL
- **Agile Methodology** - Git, Scrum Management, Product Timeline, JIRA
- **WordPress** - Custom plugin development with PHP, Elementor, Web development
- **General** - Docker, Regex, PostMan, BitBucket

EXPERIENCE

? Software Developer | Aloha Technology

(January 2022 - Present)

- Utilized Nemo citrinet model for NLP speech-to-text and text-to-speech products for voice commands
- Implemented BERT QnA for a question-answering bot based on custom models trained on extracted data from various sources, and developed corresponding APIs
- Developed WordPress plugins to enable voice search on websites using IBM Watson speech-to-text, including customisable Elementor-based dialogs and plugins
- Constructed a 3-tier architecture on AWS domain services, with specific APIs for popular top-level domains leading to sales of over 50,000 domains sold
- Established MySQL backend database structure to facilitate real-time domain sales and created an application to monitor sales discrepancies in real time

? Intern | Powergrid Corporation of India

(May 2021 - July 2021)

- Worked on understanding Tejas Networks
- Supported development maintenance of small applications based on Tejas Networks

ACHIEVEMENTS

- Sold over 50,000 domains to customers over a period of 4 months
- Led the development of Registry Audit software saving our client over \$1500 Monthly in false/wrongly reported sales
- Earned the Distinguished Service Award for serving as the Joint Secretary 22-23 at Rotaract International District 3012

PROJECTS

? Registry Audit

(4 Months)

- Designed a Python FastAPI application to monitor real-time sales of data and track/resolve any discrepancies between the cost of purchasing domains vs selling it to customers. Skills used - Python, MySQL, AWS

? Top-Level Domain Integration

(6 Months)

- Created a backend system to purchase (from registries) and sell to customers the world's biggest registries and domains - Verisign, Donuts, Denic, Tonic, IN, GoDaddy, CentralNic

? Data migration Wix to Zendesk

(2 Months)

- Exported over 500,000 tickets, conversations, over 80,000 users and 600 articles from Wix to Zendesk using Wix and Zendesk APIs and Python

? NLP based LanguageBot

(8 Months)

- Implemented a language Bot with the help of Nvidia's latest NLP models in Python using Nemo Citrinet & BERT QnA

EDUCATIONAL QUALIFICATION			
Course	Institution	Year	Result
B. Tech (Electronics and Communication)	Amity University, Noida	2022	6.52 CGPA
AISSCE (Class XII - Science with Mathematics)	Amity International School, Ghaziabad	2017	80.5%
AISSCE (Class X)	Amity International School, Ghaziabad	2015	88%

PUBLICATIONS AND CERTIFICATIONS	
<ul style="list-style-type: none"> Deep Neural Network-Based Facial Emotion Recognition NPTEL Certification - Deep Learning 	

EXTRA-CURRICULAR ACTIVITIES	
? District Joint Secretary Rotaract International District 3012	(July 2022 - June 2023)
<ul style="list-style-type: none"> Managed day-to-day working and event planning of Rotary International District 3012 consisting of 40+ Rotaract clubs, and 2500+ members spread over Delhi and parts of NCR, i.e. Ghaziabad, Noida and Sonapat Spearheaded 16+ District events while contributing to event execution and financial planning Executed security operations for Rotary Youth Leadership Awards 2023, a three-day event with 500 attendees 	
? Mountaineering	(2017 - Present)
<ul style="list-style-type: none"> Attempted Mt. Deo Tibba (6001m) in 2021 Climbed Mt. Friendship (5400m) in 2020 	
? District Director, Public Relations Rotaract International District 3012	(July 2021 - June 2022)
<ul style="list-style-type: none"> Managed social media platforms, effectively utilizing them to engage members and attract new participants Carried out successful PR campaigns to enhance the District's brand image and increase awareness of its projects Established strong media relations, securing extensive coverage for District events and initiatives in publications 	
? Vice President Rotaract Club of Indirapuram Pariwar	(July 2021 - June 2022)
<ul style="list-style-type: none"> Drove the club's mission and goals while actively engaging members in impactful community service projects Represented the club in District meetings and events, maintaining strong relationships with Rotary and other leaders 	