PERSONAL INFORMATION

Anshul Gupta

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Date of birth 10 October 2000 | Nationality Indian

WORK EXPERIENCE

Jan. 2022 – Ongoing

Tech Intern

Click Labs Pvt. Ltd. | Jungleworks, IT Park Panchkula

- Working as a Backend Software Developer at Tookan Product of Jungleworks.
- Developed a minor project of Package Delivery System using NodeJS and Angular. **(Check Here)**
- Currently focusing on integration of Rest-APIs with third-party business to existing technologies.

Aug. 2021 – Sept. 2021

Software Engineer

BlazOp Pvt. Ltd., San Francisco (Remote)

- Worked on Data Engineering using Python Development strategies to get insights and subsequently, perform a comparative analysis of Yang Models of desired products.
- Utilized tools like pyang, xmldiff, and followed Agile-based Software Engineering techniques.

Apr. 2021 – Oct. 2021

Research Intern

Design and Innovation Centre, MHRD, and Panjab University, Chandigarh

- Worked on Predictive Maintenance for early prediction of faults in machines using Vibration Analysis.
- Performed data gathering, exploration, and feature extraction for time domain and frequency domain features besides researching on over 15 types of machine faults.

Nov. 2020 – June 2021

Molecular Dynamics, Server Design, and Data Mining Intern

Department of Biophysics, Panjab University, Chandigarh

- Worked on a research-based project for building a Peptide Utility Sequence Search Application and helped the team in finding characteristic features of the for Helix-Helix interactions in proteins for a given peptide based on the fetched data.
- This work is also in review after being submitted to Briefings in Bioinformatics and is **live**.

EDUCATION

Aug. 2018 – July 2022

Bachelor of Engineering in Computer Science | 9.46/10

Chandigarh College of Engineering and Technology (CCET), Panjab University, Chandigarh

- Academically, 2nd in Class after 6th Semester, and 1st in Class after 7th Semester (Provisional) in the Department of Computer Science, CCET.
- Merit Scholar for Academic Year 2019-20, 2020-21, 2021-22 (Provisional).
- **Chairperson CCET ACM Student Chapter (2020–2021)**- Proactively led a team of 12 members coordinating with the faculty mentor and sponsor, thereby, scaling the community to 150+ members through 17 events including webinars, competitions and workshop focusing on developing technical and hands-on skills. Founding Ideator of the Chapter's Technical Magazine, **Digital Outlet**.
- **Head Website (2020 –2021)**- Enhanced Website User Interface. Designed, implemented, and monitored web pages for continuous improvement. Used programming capabilities in PHP, MySQL, HTML, CSS, and other libraries as needed and helped sophomores to learn the same for future development.

Apr. 2017 – July 2018

All India Senior School Certificate / Class XII CBSE | 90.80%

Government Model Sr. Secondary School, Sector 35-D, Chandigarh

- Subjects of Focus: English Core, Mathematics, Physics, Chemistry, Physical Education.
- Stood 3rd in Interschool Science Quiz held on November 22, 2017.

Mar. 2015 – June 2016

Indian Certificate of Secondary Education / Class X | 95.40%

Tender Heart High School, Sector 33-B, Chandigarh

- Subjects of Focus: English, Punjabi, History Civics & Geography, Mathematics, Science (Physics, Chemistry, Biology), Physical Education
- Stood 1st in Hindi Debates and Science Quiz. Participated in 61st National School Games representing Chandigarh held at nation's capital New Delhi.

TECHNICAL SKILLS

Programming Languages	– C, C++, Python
Data Science & AI	– Python libraries, Machine Learning, Time Series Analysis, Natural Language Processing (Text), Deep Learning
Web Technologies	– Django, HTML, CSS, Bootstrap
Databases	– MySQL, MongoDB
Developer Tools	– Git, Google Cloud Platform, VS Code, PyCharm
Certifications	– Machine Learning with Python, Deep Learning Specialization, IBM Advanced Data Science Capstone, Learn Javascript and Typescript from Scratch, **Other Certifications**

PROJECTS

Deep Learning Module	– A basic Deep Learning Module, built from scratch, for prediction of rent of a room developed without making use of any third-party libraries.
Fake News Vs True News	– Made use of Logistic Regression Model, Decision Tree Classifier and Artificial Neural Networks for the Text classification task achieving an accuracy of 99.63%.
Social Rest APIs	– Built Rest-APIs for User On-Boarding and Interaction, which are common in a Social Networking Application, and tested them using Postman.

ACHIEVEMENTS

- Selected and completed the 30 Days of Google Cloud 2021.
- Secured 2nd position in Unicode Machine Learning Summer Course 2021 Project Evaluation.
- Selected and successfully participated in ACM India Summer School 2021 in NLP.
- Selected and Participated in Arogaya CIBioD, ICMR, PGIMER - Chandigarh Short Term Attachment (STA) Programme held during March 2021 to September 2021.
- Microsoft Technology Associate: Introduction to Programming Using Python - Certified 2020
- Secured 1st position in Internal Skill India Hackathon organized by Institute's Innovation Cell, CCET.

EXTRA CURRICULARS

- Delivered Seminar, on "AI, ML and IoT in National Language", as a part of A four-day national webinar on the role of technology in making India Self Reliant, by CSTT, Indian Ministry of Education.
- Delivered various workshops and hands-on technical sessions under the Student Speaker Program of CCET ACM Student Chapter entitled, 'Session on Python Fundamentals, March 2021', 'Hacktoberfest 2020: Let's Collaborate together by ACM CCET, October 2020', 'Building your first skill with Amazon Alexa, February 2020'. Also, organized 'COVID-Codathon, April, 2020'.

PUBLICATION WORK

[1] "Analysis & Prognosis of Sustainable Development Goals using Big Data-based Approach during COVID-19 Pandemic". In: *Sustainable Technology and Entrepreneurship, Elsevier* (2022), p. 100012. URL: https://doi.org/10.1016/j.stae.2022.100012.

[2] "A novel Smart Transportation based framework interlinking the advancements in Technology and System Engineering". In: *Proceedings of International Conference on Smart Systems and Advanced Computing*. 3080. CEUR Workshop Proceedings, 2022. URL: http://ceur-ws.org/Vol-3080/5.pdf.

[3] "An Inquisitive Prospect on the Shift Toward Online Media, Before, During, and After the COVID-19 Pandemic: A Technological Analysis". In: *Advances in Data Computing, Communication and Security*. Springer Singapore, 2022, pp. 229–238. URL: https://doi.org/10.1007/978-981-16-8403-6_20.

[4] "Predicting Catastrophic Events Using Machine Learning Models For Natural Language Processing". In: *Data Mining Approaches for Big Data and Sentiment Analysis in Social Media* (2021). URL: https://doi.org/10.4018/978-1-7998-8413-2.ch010.

[5] "An Exploratory Analysis on the Unfold of Fake News During COVID-19 Pandemic". In: *Smart Systems: Innovations in Computing*. Singapore: Springer Singapore, 2022, pp. 259–272. URL: https://doi.org/10.1007/978-981-16-2877-1_24.

[6] "An Investigative Study Into The Impact Of Artificial Intelligence And Internet Of Things In Modern Times And Hereafter (In-Press Article)". In: *AAP CRC Press, Taylor & Francis Group* (2021).

[7] "Experimental Analysis of Throughput for TCP and UDP Traffic in a Network Scenario during Link Failure (Submitted Article)". In: *Iraqi Journal of Science (IJS)* (2022).

[8] "An OWA based MCDM framework for analyzing multidimensional Twitter data: A case study on the Citizen-Government Engagement during COVID-19 (Submitted Article)". In: *International Journal of Fuzzy Systems* (2021).

[9] "Evaluating the sustainable COVID-19 vaccination framework of India using Recurrent Neural Networks (Submitted Article)". In: *Wireless Personal Communications* (2021).