Kushagra Bansal

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WORK EXPERIENCE

Software Engineer, INDmoney   Sep 2022 - present
– Working in the US Stocks team, developing stock data catalog for hot stocks
– Writing APIs for data catalog features, and writing unit tests for existing code
– Tech Stack: Scala, PostGresSQL, Python, Django, Mockito

Backend Developer, InterviewVector Technologies   June 2022 - Sep 2022
– Wrote APIs for the user dashboard and reduced response time to 20ms
– Optimized API response times and database queries to reduce wait time
– Tech Stack: Python, Flask, NodeJS, MySQL

Research Intern, Indian Institute of Science, Bengaluru   June 2021 - Sep 2021
– Designed an RNN model to learn on text data
– Trained the model using the BPTT algorithm and analysed the numerical difficulties in it
– Evolved the model to an LSTM to eliminate vanishing gradients with a accuracy of 89%

PROJECTS

Project Manager App   Link
– Created a web app, connected to a database, facilitating CRUD operations
– Tech: Flask, Python, MySQL, HTML/CSS, SQLAlchemy

Browser Automation and Web Scrapping Bot   Link
– Created a bot to send statistics of views of my blog on Medium.com 5 times a day
– Used PyAutoGUI to create a bot to automatically join Teams meetings at pre-specified time

TheAlgorithms/Python: A Learning Resource for Beginners   Link
– Wrote and maintained open source project which contains algorithms to be used a learning resource.
– Deployed GitHub actions and tests to improve pull requests quality and workflow

EDUCATION

2018 - 2022	IMSc. (Mathematics Computing) at **NIT Patna 8.94/10.0**	
2017 - 2018	Class 12th, CBSE Board	**76.4%**

SKILLS

Languages	Python, Java, Scala, C/C++
Tools	MySQL, PostGresSQL, PostMan, Linux, OS, DBMS, Networks, Data Structures

Achievements

– Selected for Research fellowship under the SRF program organised by Indian Academy of Science

– Solved over 1000 data structures and algorithms problems on Leetcode, Codechef, GeeksForGeeks

– Ranked 1113th in Leetcode Biweekly contest 86 out of 26,000+ participants