

Shubham Patil

Computer Science Graduate

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Education

- 2018 **Bachelor of Technology in Computer Science and Engineering**, *Visvesvaraya National Institute of Technology*, Nagpur, CGPA - **8.18/10**.
- 2014 **Higher Secondary Examination**, *Shri T.P.Bhatia Jr. College of Science*, Kandivali, **86.67%**.
- 2012 **Secondary School Examination**, *Utkarsha Vidyalaya*, Virar, **96.73%**.

Internships

- Morgan Stanley Summer 2017 **Java API to match trade facts**, *Java*.
- Worked on matching system to match specific trade facts from MS Side & Client Side
 - Built an API to read the trade facts from JSON file and match with the given input set
 - API can be extended to use different types of trade facts
- Ekalavya IIT Bombay Summer 2016 **Search Engine for TCube**, *Python-Django*.
- Worked with the website designing team in TCube-Train The Teacher which is an initiative of IIT, Bombay
 - Worked on search library which can scan entire video or pdf files and give out the search result
 - Technologies used: Python Django, Whoosh (Python API for search engine), MySQL, HTML/CSS (Google Material Design), JavaScript, Ajax

Projects

- Hackathon 2017 **Diet Planner using IBM Watson APIs**, *Python*.
- Project revolved around designing a diet planner using Image Recognition, Speech to Text and Text to Speech APIs provided by IBM Watson. It measured daily calorie intake of the individual and displayed results and suggestions accordingly.
 - Bagged the MOST INNOVATIVE IDEA award in IBM Watson Hackathon.
- Hackathon 2016 **Assignment Submission and Evaluation Portal**, *Python-Django*.
- The project aimed at creating an online assignment submission portal for students. It facilitates the professors to evaluate the submitted assignments and grant marks accordingly as well as upload new assignments for the students
 - Bagged first place in Hackathon by Programming Club VNIT
- Academic **Cricket Score Application**, *Python-Scrapy*.
- An application in Python to fetch live scores of cricket matches
 - Provides ongoing score notification on regular intervals or on special events
- Academic **Sentiment Analysis**, *Python*.
- A basic Twitter sentiment analyzer was developed using a three layer neural network.
 - Classification of tweets as positive, negative or neutral was attempted.

- BTech **Stock Price Prediction**, *Python and scikit-learn*.
- Project
- It is always beneficial for the investors to have an approximate idea of the trend of the stock. This information can be fetched from the chaotic Stock Market data using techniques like Machine Learning.
 - This very idea was implemented through the project. The Machine Learning techniques like Regression, Classification and Time Series Analysis(using ARIMA model) were put to use and models were built using historical stock data along with the parameter of sentiment analysis score calculated from twitter comments and financial news data(websites like livemint.com) and prediction of close-price of the stock value was attempted. Web crawling and scraping was also done using the python-scrapy library in order to generate the necessary data for sentiment analysis.

Technical Skills

Programming Languages	C, C++, JAVA, PYTHON (BASIC)
Web	HTML, CSS, JAVASCRIPT(BASIC), BOOTSTRAP, DJANGO, JSP(BASIC)
Database Management	ORACLE SQL
Operating Systems	WINDOWS, UBUNTU
Software Packages	APACHE HADOOP, MS OFFICE

Positions of Responsibility

- Technical Affairs Secretary** of VNIT Nagpur as a part of the Students Council 2017-2018
- Club Secretary** for Programming Club(ACM Chapter) of VNIT
- Senior Editor** in the magazine committee of the institute
- Event Organizer** for Cryptocrux(logic and encryption-decryption based event) and Insomnia(All night coding event) for AXIS: Technical Festival of VNIT Nagpur

Achievements and Honours

- Qualified for the Regional Level **ACM-ICPC 2018** contest at the Kolkata-Kanpur centre
- Maharashtra Talent Search** rank holder
- Recipient of **Maharashtra State Scholarship**

Extra-Curricular Activities

- Class Representative for the academic year 15'-16'
- Participated and won 2nd prize in Street Play in Aarohi'15 – Cultural Festival
- District level Cricket & Kabaddi player