Prashant Singh
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LinkedIn Profile

Education

- M.Tech., National Institute of Technology, Durgapur

    - M.Tech. in Operations Research, (2016 - 2018)
    - Graduate Courses : Programming Language and Data Structure, Automata and Algorithms, Discrete Mathematics, Operations research, Probability and Statistics, Optimization Techniques, Numerical Methods

- B.Tech., National Institute of Technology, Durgapur

    - B.Tech. in Biotechnology with open electives from Computer Science, (2007 - 2011)
    - Relevant Courses : Data Structures, Computer Networks, Operating Systems, Communication Network, Database Management Systems

Employment(s)

- Software Developer, VHR Solutions (Feb 2020 - Sep 2020)

    - Worked in payments team of Infosys's Finacle . As a team member I was involved in implementing the code for handling the Bank Identifier Code . Written a Java JDBC code for exporting table rows from Oracle database . The exported rows are in form of insert query and are suitable for Postgres database . Have written a bash script for execution of multiple sql files on remote postgres database .

- Teaching Assistant, M.Tech. NIT Durgapur (July 2017 - May 2018)

    - Numerical Analysis Lab using C programming, (10 students) May 2018 .
    - Operations Research Lab using Matlab, (10 students)Dec 2017 .

- System Engineer, TCS(Tata Consultancy Services, Chennai) (July 2011 - July 2013)

    - Created web services to migrate data from legacy system IBM DB2 database to latest oracle database using Oracle Middleware Technology .
    - Monitored and managed integration servers installed on Redhat systems using linux commands and script. The data of DB2 was exposed in XML and the web services were consuming these data and inserting it into Oracle database .

Projects

- **Question Answer AI Bot** , Oct 2020

    Created a standalone AI Bot to answer questions . Input was few wikipedia pages as text files . Used TF-IDF technique to give most relevant answer to the given user query . project link.

- **Pizza Orders Website** , Jan 2020

    Created a web application for handling pizza restaurant's online orders , using Django web framework and currently deployed on Heroku platform: project link

    - Features : User can register, login, add and save item to cart, get order confirmation email

- **Flack, Chatting Web App** , Jan 2020

    Created a chatting application named Flack , similar to Slack , using python, flask and socketIO . It is currently deployed on Heroku . User can register, create new channel , delete their post, check others post in real time using socketIO . : project link

- **Book Review Website** , Dec 2019

    Created a book review website, lookthebook . It is currently deployed on Heroku .Technology used are Html, Javascript, Python, Flask, Postgresql database : project link

    - Features : User can register, login and logout, give comment, serach book, view ratings of book

- M.Tech project: Recognition of printed Odia(A language spoken in India) character using neural network , June 2018.

- recognized 62 basic Odia characters (10 numerical, 12 vowels, 40 consonants) in a given image and convert them to computer editable text using deep neural network. Got an accuracy of 97.75
- Input layers = 784, hidden layers = 300, output layers = 62
- Technology: Python, OpenCV

- **Game Development**
  - Created web based game 2048 and also in command line form , in C++, code .
  - "Game of Fifteen" in C, code
  - Breakout in C, code

Additional Courses

- Deep Learning Specialization, Coursera, Jan 2019
- CS50's Introduction to Computer Science, HarvardX, July 2019
- Computational Thinking using Python, MITx, Aug, 2018
- Machine Learning Stanford University, Coursera, November 2017, Grade Achieved: 97.6%
- Algorithms: Design and Analysis, Part 1, Coursera, Grade Achieved: 84.5%, September 2015

Skills and Technologies

- Web Framework : Django, Flask, JavaEE
- Algorithms , Data Structure, Object Oriented Design, Responsive Web Design
- Programming languages: Java, C++, Python, C , Matlab
- Frontend : Ajax, Javascript, Html, CSS
- Backend : Postgres, Oracle, Sqlite

Achievements

- Certificate of excellence in Competitive Programming course on Coding Ninjas
- All India Rank 1593 among 1,08,495 in GATE-2016 in Computer Science .
- Cummins Inc.'s appreciation certificate certificate .