Prashant Singh
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Education

- National Institute of Technology Durgapur

    - M.Tech. in Operations Research, May 2018, CGPA 7.75
    - Graduate Courses : Programming Language and Data Structure, Automata and Algorithms, Discrete Mathematics, Operations research, Probability and Statistics, Optimization Techniques, Numerical Methods

- National Institute of Technology Durgapur

    - B.Tech. in Biotechnology, National Institute of Technology Durgapur, May 2011, CGPA 7.0
    - Undergraduate Courses : Data Structures, Computer Networks, Operating Systems, Communication Network, Database Management Systems

Employment(s)

- As Teaching Assistant taught following courses

    - Numerical Analysis Lab in C language, May 2018 .
    - Operations Research Lab in Matlab, Dec 2017 .

- System Engineer in TCS (July 2011 - July 2013)

    - Remotely managed integration servers installed on Redhat systems using linux commands and script.
    - Created web services to migrate data from legacy system IBM DB2 database to latest oracle database using Oracle Middleware Technology.

Course Projects

- 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 used: Python, OpenCV

- Created web based game 2048 : https://gitlab.com/psonlinux/2048-game-web

- Created following command line games

    - 2048 in C++, https://gitlab.com/psonlinux/2048
    - "Game of Fifteen" in C, https://gitlab.com/psonlinux/game-of-fifteen

- Created GUI game

    - Breakout in C, https://gitlab.com/psonlinux/breakout

Languages and Technologies

- C++, C, Python, Java, OpenCV, LaTeX, HTML, CSS, Bootstrap, jQuery, JavaScript, MySQL, Oracle 11g, SQL, Matlab, Shell Scripting

- Vim, Git, GDB, Eclipse IDE, Visual Studio

- Linux, Ubuntu 18.04 LTS

Online Courses

- Deep Learning Specialization, Coursera, Jan 2019

    - Neural Networks and Deep Learning, Grade Achieved: 98.6%
    - Structuring Machine Learning Projects, Grade Achieved: 96.7%
    - Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Grade Achieved: 100.0%
    - Convolutional Neural Networks, Grade Achieved: 98.9%

- CS50's Introduction to Computer Science, Edx, July 2019

- Introduction to Computational Thinking and Data Science, Grade achieved 97%, EdX, MIT, Aug, 2018, certificate link https://courses.edx.org/certificates/dedde4a63ca24a20895fa4332c741df4

- Introduction to Computer Science and Programming Using Python, Grade achieved 99%, EdX, MIT, Sept 2017 certificate link https://courses.edx.org/certificates/81b7b36c7f7b484ebb5880094380b472

- Machine Learning Stanford University, Coursera, November 2017, Grade Achieved: 97.6%

- Algorithms: Design and Analysis, Part 1, Coursera, Grade Achieved: 84.5%, September 2015

- Front-End JavaScript Frameworks: AngularJS, Coursera, July 2016

- Introduction to jQuery, Grade achieved 98%, Microsoft DEV208X, EdX

- Introduction to Computing with Java, Grade achieved 95%, EdX, Sept, 2014

Achievements

- All India Rank 1593 among 1,08,495 in GATE-2016 in Computer Science .

- Solved 400+ Leetcode problems (https://leetcode.com/psonlinux/)

- Cummins Inc.'s client provided certificate of appreciation.