Shubham Singh | Resume

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Education

Academic Qualifications

Jalpaiguri Government Engineering College — **West Bengal**
Bachelor of Technology(B.Tech) in Computer Science and Engineering, — *CGPA-7.3*

DAV MODEL SCHOOL — **C.B.S.E.**
Class X, 86.50% — *2013*

DAV MODEL SCHOOL — **C.B.S.E.**
Class XII, 86.33% — *2015*

Internships

National Institute of Technology — **Patna**
Research Internship — *July 2018–August 2018*

I was responsible for the preliminary analysis, of the datasets on Maternal Mortality and Reproductive health prepared by World Health Organisation. After the analysis, the data was trained and tested with various regression models and optimization algorithms. I was able to predict the reproductive health and mortality ratio using the multi-level regression statistical model and was able to minimize the error ratio using the bayesian optimization technique.

GeeksforGeeks
Work From Home Internship — *May 2018–Present*

I was responsible for writing and reviewing technical content based on data structures, algorithms and algorithm based problems in multiple languages.

Projects

- **Research Internship Project** I performed preliminary analysis, of the datasets on Maternal Mortality and Reproductive Health prepared by World Health Organisation. After the analysis, data was trained and tested with various regression models and optimization algorithms.I was able to predict the reproductive health and mortality ratio using the multi-level regression statistical model and was able to minimize the error ratio using the bayesian optimization technique.

- **Microcontroller Project** I had the opportunity to work under Keycenter for Advanced Research and Development during my freshman year and had prepared a blinking light emitting diode using the Arduino Uno micro-controller.

Technical and Personal skills

- **Programming Languages:** Proficient in: C, C++, Python, Arduino-Uno.
  Familiar with: Assembly Language.

- **Machine Learning Skills** Jupyter, Keras, Bayesian Optimization, Supervised and Unsupervised machine learning, Linear regression, Polynomial regression, Logistic regression, Laso regression, plotting and reading datasets using the Pandas framework and Matplotlib.

Non-Degree Courses Completed

- **Applied Machine learning in Python**: Affiliated to University of Michigan
  Mentor: Kevyn Collins-Thompson.
  Grade: 97.4
  Url: https://www.coursera.org/account/accomplishments/certificate/QEFGAAJ8WFT4

- **Programming for Everybody (Getting Started with Python)**: Affiliated to University of Michigan
  Mentor: Charles Severance.
  Grade: 96.6
  Url: https://www.coursera.org/account/accomplishments/verify/DB7K5CF9WH2M
- **Introduction to HTML5**
  Mentor: Colleen van Lent, Ph.D. Charles Severance
  Grade: 85.7
  Url: https://www.coursera.org/account/accomplishments/certificate/TAKPU36DBRAQ
- **Introduction to CSS3**
  Mentor: Colleen van Lent, Ph.D. Charles Severance
  Grade: 92.7
  Url: https://www.coursera.org/account/accomplishments/certificate/7TMBCEUFUSK5
- **Interactivity with JavaScript**
  Mentor: Colleen van Lent, Ph.D. Charles Severance
  Grade: 94.3
  Url: https://www.coursera.org/account/accomplishments/certificate/VYXJ4XQK2H9M

Interests and extra-curricular activity

- I am the "Fresher Representative" of my college. I am the member of the Technical Committee responsible for holding technical fests in our college.

- I was the winner of the annual quiz competition for two consecutive years in my college. I was also a bronze medallist in quiz competition organised by Me-Vero in my freshman year.

- I am also a competitive coding enthusiast having active profiles on various coding platforms such as Codechef and Hackerearth.

- I have experience in web developing and have completed courses covering Javascript,HTML-5 and CSS-3.

References

- GeeksforGeeks Profile: https://auth.geeksforgeeks.org/user/Shubhamsingh29
- LinkedIn url: https://www.linkedin.com/in/shubham-singh-237421148/