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*

Projects

- **Research Internship Project:**
  National Institute Of Technology Patna
  'Data Analysis and Prediction of Maternal Health and Mortality in Asian and African Countries'
  - I was responsible for the preliminary analysis of the Maternal Mortality and Reproductive health datsets prepared by World Health Organisation.
  - After the Preliminary analysis I trained and tested the data available with various regression models and optimization algorithms and finally 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.
  - After successful Optimization I was able to conclude that globally the Maternal Mortality Ratio. fell by approximately 44 percent over the past 25 years.

- **Arduino Uno Microcontroller Project:** Prepared an Arduino based Arduino Uno blinking LED Device.I had the opportunity to work under Keycenter for Advanced Research and Development during my freshman year and had worked with an Arduino Uno to present a blinking led project using Arduino Uno micro-controller device.

Previous Internships

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

I was responsible for the preliminary analysis of the Maternal Mortality and Reproductive health datsets prepared by World Health Organisation.After the Preliminary analysis I trained and tested the data available with various Regression Models and Optimization algorithms and finally 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.

Technical and Personal skills

- **Programming Languages:** Proficient in: C, C++, Python.

- **Machine Learning Skills** Jupyter,Keras,Bayesian Optimization,Supervised and Unsupervised Machine Learning,Various Regression Algorithms,Plotting and Reading Datasets using Pandas 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 a "Fresher Representative" in my 2nd and 3rd years of university.I am the member of Technical Committee responsible for holding technical fests in our college.

- Avid quizzer.Twice the winner of Annual quiz competition organised by the the college technical team in the technical fest of our college.Bronze Medallist in quiz organised by Me-Vero.

- I am also a competitive coding enthusiast having an active profile on various coding platforms such as Codechef,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/