

COVER LETTER

Objective: Seeking out opportunities in Software Engineering Roles

I graduated in 2014, from BIT Mesra, with major in Electronics Engineering with a GPA of 8.5/10. I have been working in the Software Industry for around four years, as a Backend Developer, Designing and Architecting solutions using JAVA as the primary language. My interest lies in problem solving and creating solutions using technology.

With the vision that in future, every Software Engineer will need to dive into the ocean of data that her system is generating and be able to detect anomalies in her system, and that every data engineer needs to write a scalable, maintainable and reliable system, I took a break from my day job in January, to explore the new territories of Data Science and Machine Learning. I gained expertise in Data Science, Machine Learning and Deep Learning fields and earned a couple of specializations during this time. I also took the opportunity to travel and explore new cultures and as part of that, I travelled across Europe in July.

My current experiences might be limited, but I come from a growth mindset, and I believe in learning something new every day. I am constantly driven towards learning new things, adapt, implement and strive towards innovation and to provide value as a result of whatever I do. I am open to exciting opportunities that really pushes me beyond my current potential and limits. I am looking for an environment where I can grow exponentially and the benefit is mutual. I am really motivated to work with the best minds in the industry.

I hope this cover letter would give an insight into exactly what I am looking for. Please find attached my CV with all the relevant information below.

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I have been working in the software industry for more than four years. Currently, looking for a change and open to challenging work.

EXPERIENCE

- **Y Media Labs** Apr 2018-Feb 2019
Product Development Engineer
 - Designed and architected a Spring Boot based social network application
 - Developed notification module using AWS services - Lambda, SNS
 - End to end MongoDB schema design for application
 - Profiling MongoDB and Neo4j graph database
 - Active member of machine learning and innovation team
- **Mahindra Comviva** June 2014-Dec 2017
Senior Software Engineer
 - Improved design of legacy backend REST Services
 - Architected and developed solutions for Wallet Application
 - Reduced deployment time across applications using Ansible
 - Designed real time financial reports using Pentaho
 - Provided guidance to teams for automation of patch releases

SKILLS

Data Science: Data Visualization, Exploratory Data Analysis, Machine Learning Models, Linear Regression, Logistic Regression, Support Vector Machines, KNN, Decision Trees, Model Evaluation, Optimization Techniques, Deep Learning Models, Recurrent Neural Networks, Convolutional Neural Networks, Sequence Models, Natural Language Processing

Mathematics: Probability, Statistics, Statistical Inference, Hypothesis Testing, Linear Algebra

Theoretical Computer Science: Data Structures, Algorithms, Dynamic Programming

Programming Languages: C, Java, Python

Tools & Frameworks: Git, Maven, Jenkins, Ansible, Sonar, Spring Boot, Numpy, Matplotlib, Seaborn, Pandas, Tensorflow, Scikit-Learn

Miscellaneous: Databases, System Design, Web Application Development, Linux, Shell Script, Web Servers, Agile

SPECIALIZATIONS

Machine Learning: Machine learning by Andrew Ng from Stanford - Coursera

Deep Learning: Deep learning by Andrew Ng from Stanford - DeepLearning.ai
<https://www.coursera.org/account/accomplishments/specialization/ZMP55EYR2BLA>

Foundational Computer Science: CS50 by David J Malan from Harvard university
<https://github.com/deepkedi/cs50>

AWARDS & HONOURS

- Consistent Star Performer in Y Media Labs
- Awarded with ACE award in Mahindra Comviva for deployment automation
- Awarded with best algorithm and solution design in IEEE event organized by IEEE chapter of BIT
- Represented BIT as technical head during tech fest

EDUCATION

- **Birla Institute of Technology, Mesra, Ranchi** July 2010-May 2014
B.E in Electronics & Communication Engineering(GPA: 8.50)
- **DAV Public School, Bihar** May 2009
All India Senior School Certificate Examination (AISSCE), CBSE (Marks: 88%)
- **DAV Public School, Bihar** May 2007
All India Secondary School Examination (AISSE), CBSE (Marks: 94%)