

Deepanshu Setia

(Machine Learning Engineer)

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EDUCATION

Institute	Year	Course	CGPA / %age
NIT Jalandhar	2014-2018	Bachelor of Technology,IT	9.04/10 (Topper)

WORK EXPERIENCE

Role	Work Description
Senior Software Engineer (Machine Learning) Samsung R&D (June'18 – Present)	<ul style="list-style-type: none">Work in Data analytics part of Semiconductor manufacturing domain (Wafer Inspection, Metrology, Control SW, Defect Review, FAB Automation)Develop complete pipelines for solutions like Automatic Defect Detection using DLPredict yield for the FAB line by analysing time series data obtained from smart equipments.Technology - TensorFlow, SciKit, Pandas, Python, CNN, FFNN and RNN
Software Developer Intern Samsung R&D (June'17 – July'17)	<ul style="list-style-type: none">Standalone AIMS stack testing using Open IMS server (VoLTE)Functionality –Develop DLL's of AIMS stack & integrate with ported IMS server and testing setup development for various scenarios85% time save as the errors can be resolved without sending to remote environmentTechnology – Visual Studio , Java Swings , Socket Programming
Software Developer Intern IIT Bombay (May'16 – July'16)	<ul style="list-style-type: none">e-Proctor which resides on learner's device for student evaluation and monitoringFunctionality – Authentication and Monitoring by Face Recognition5:6 score in comparison to professional proctor, B-virtualTechnology – Android Studio , Java Swings , MySQL , OpenCV

TECHNICAL SKILLS

- Analytical Skills:** Machine Learning , Regression , Association , Clustering
- Programming & Tools:** C/C++, JAVA, Python, Android, MySQL, Oracle 10g, Visual Studio, Eclipse
- Frame works:** Web2py - Full Stack Python MVC , Git , Tensorflow , Pytorch

PROJECTS

Deep Learning & its applications in Biometric(IIT M)	<ul style="list-style-type: none">Major project under guidance of Dr. Aditya Nigam , IIT MandiFunctionality – Develop an accurate and efficient human personal authentication systemTechnology – Biometrics, Image Processing, Computer Vision and Deep Learning
i-Sahayog (Under UGC of India)	<ul style="list-style-type: none">Mapping College neighborhood and Social Possibilities (Source Code Link)Functionality – Web App For Collaboration based innovative solution mapping with ProblemsTechnology – Web2py Python MVC Framework , MySQL , Scikit-learn (Machine Learning)

PUBLICATIONS

Enhancing Tourism and Cultural Experience through Gamification ([Book Chapter Link](#))

Published a book chapter in IGI Global publications in the book "Positioning and Branding Tourism Destinations for Global Competitiveness" as the first author.

ACADEMIC / EXTRA CURRICULAR ACHIEVEMENTS

Academics & Contests	<ul style="list-style-type: none">Won Github-Microsoft hackathon at 1st position in Bangalore and 23rd globallyCleared JEE Advance (IIT Exam) with 8419 (General) AIRDepartment Rank 2 (NIT Jalandhar, IT Department)Top 8, Smart India Hackathon'17 (World's Biggest Hackathon)Gold Medal, Best Cultural SecretarySecond Place in Youth Parliament	2019 2014 2014-18 2017 2016 2016
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