Avinash P

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Education

2015-Present	**3rd Year, B.Tech in Mechanical Engineering**, *Indian Institute of Technology Madras*, Chennai.	*CGPA : 7.89,*
2014-15	**XII - CBSE**, *Maharishi International Residential School*, Kanchipuram,	*96.6 %.*
2011-12	**X - CBSE**, *Jawahar Higher Secondary School*, Neyveli,	*CGPA: 10.0.*

Internships

2017 **UX Design Intern at Maximl Labs**.
- Handled Interaction Design, Information Architecture and Data Visualisation of their enterprise applications on Web and Mobile.

Achievements

2018 **Winner - Amazon Deep Learning Hackathon**.
- Team placed 1st among 2000 participants. Trained a GAN (pix2pix) model to generate colored images from sketches of suspects.

2018 **Recipient - Google-Udacity Scholarship**.
- Merit Scholarship for Mobile-Web specialist Nanodegree, dealing with future technologies like Progressive Web Apps.

2017 **Project - Microsoft AI Hackathon Code.Fun.Do**.
- Fashion recommender Chatbot (built upon MS Bot-Framework and Cognitive Services) project selected for mentorship under Microsoft

Courses   (* - Ongoing)

- Machine Learning (Andrew Ng)
- Deep Learning (Andrew Ng)*
- ML/DL for Engineering Applications*
- CNN for Visual Recognition (Stanford)
- Intro to Parallel Programming (Udacity)*
- Linear Algebra and Numerical Analysis

Skills   (* - Ongoing)

Tools Tensorflow, Scikit-learn, Scipy stack, Open-cv

Languages Python, C++, JavaScript, CUDA*

Other Interests

Human Computer Interaction.
- Developed a program with Open-cv to use fingers as input to draw onscreen.

Game Development.
- Designed and developed two Android games
- Built an AR application using Unity and Vuforia

Web Development.
- Developed various web interfaces with popular frameworks
- Lead a 5 member Front-end team for Shaastra - Institute Techfest

Extra Curricular Activities

Co-Founder of New Worlds Club.
- Small community of students enthusiastic about building Games, Mixed Reality apps and Simulations

Teaching.
- Conducted workshop and recorded online tutorials on Fundamentals of Graphic Design - Shaastra 2017
- Conducted workshop on Fundamentals of Web Development - Shaastra 2018