

Ashish Manmode

ash.manmode@gmail.com | +91 7585 965862

EDUCATION

IIT KHARAGPUR

DUAL DEGREE (M.TECH+B.TECH)
M.Tech in Visual Information
Processing and Embedded Systems
B.Tech in Electronics
Apr 2017 | Kharagpur, India
Cum. GPA: 8.40/10

NAVODAYA VIDYALAYA

Higher Secondary
Apr 2011 | Wardha, India
Score: 94.4%

LINKS

Github:// [ashmanmode](#)
LinkedIn:// [ashmanmode](#)
Web:// [ashishmanmode.in](#)

COURSEWORK

GRADUATE

Parallel & Distributed Algorithms
Advanced Graph Theory
Digital Image Processing
(Practicum Included)
Pattern Recognition & Image
Understanding

UNDERGRADUATE

Algorithms I and II
Speech & Natural Language Processing
Data Structure & Object Representation
Machine Intelligence & Expert Systems
Probability & Stochastic Processes
Matrix Algebra

SKILLS

PROGRAMMING

Over 5000 lines:
C • C++ • Python
Over 1000 lines:
PHP • JavaScript • Matlab
Java • Python • Scala • \LaTeX
Familiar:
MySQL • Google BigQuery
OpenCV • Unity

EXTRA CURRICULAR

Inter-Hall Sketching Competition
Gold [2015]
National Students Space Challenge'13
Subhead [2013]

EXPERIENCE

EKANNA | FOUNDER CTO

Oct 2019 – present | Bangalore, India

- Easiest Billing Software for Retail Businesses
- <https://www.ekanna.in>,
<https://play.google.com/store/apps/details?id=com.ekanna.pos>
- Tech Stack : Python Flask, SQLAlchemy, REST API, FLutter
- Built the complete backend as well as some pieces of frontend working with 2 hired interns

SAMSUNG RESEARCH INSTITUTE | LEAD ENGINEER

Jul 2017 – Sep 2019 | Bangalore, India

- Building User Profile and Demographics features based on Smartphone Usage
- Designing and building Contextual Recommendation Platform for services

INTERNSHIPS

IBM INDIA | EXTREME BLUE INTERN

May 2016 – Jul 2016 | Bangalore, India

- Built a distributed client Server Model on Spark for handling large sized chips
- Graph Processing functionalities like path between nodes using Google Pregel

TRINITY COLLEGE DUBLIN | VISITING RESEARCH STUDENT

Nov 2015 – Dec 2015 | Dublin, Ireland

- Constructed a virtual 3D model of the college with Depth Based Rendering
- Occlusion detection for real objects using Google Tango Project

GRAY ROUTES INNOVATIVE DISTRIBUTIONS | SOFTWARE INTERN

May 2015 – Jul 2015 | Mumbai, India

- Implemented functionalities using google maps API and the direction service
- Google BigQuery was used for big data parallel query processing

PROJECTS

DEEP NEURAL NETWORK BASED SPEECH SYNTHESIS

Jul 2015 – Apr 2017 | IIT Kharagpur
Developed a TTS Engine by mapping linguistic input features to acoustic output features on DNN. It gave better performance than conventional HMM TTS System

PLAGIARISM DETECTION USING NLP TREE KERNEL

Jul 2015 – Nov 2015 | IIT Kharagpur
Trained SVM using subtree matching techniques on abstract syntax tree & KL Divergence in the language model generated using in-lined codes, gave 78% accuracy

FACE RECOGNITION USING 2D-PCA

Jul 2015 – Nov 2015 | IIT Kharagpur
Analyzed 2D-PCA based feature extraction which gave 95.6% accuracy on face recognition and compared the computational efficiency of 2D-PCA over PCA

AWARDS

2015	Rank 108 th	ACM-ICPC Asia, Chennai
2011	Best Exhibit	98 th Indian Science Congress, Chennai
2008	Top 10	XL National Mathematics Talent Competition