

Sri Ram Bandi

UG Senior
Mechanical Engineering
Indian Institute of Technology Delhi

GITHUB : [srirambandi](#)
LINKEDIN : [srirambandi](#)
me1130654@mech.iitd.ac.in



PERSONAL DATA

PLACE AND DATE OF BIRTH: Kakinada, Andhra Pradesh, India | 29 October 1995
PHONE: +91 9910596951
EMAIL: srirambandi.654@gmail.com

EDUCATION

PRESENT B.Tech in MECHANICAL ENGINEERING - (MAJOR)
Indian Institute of Technology Delhi, India
B.Tech in COMPUTER SCIENCE AND ENGINEERING - (MINOR)
Indian Institute of Technology Delhi, India
2013 BOARD OF INTERMEDIATE EDUCATION
Bhashyam Junior College, Guntur, Andhra Pradesh, India
2011 SECONDARY SCHOOL CERTIFICATE BOARD
Bhashyam Public School, Kakinada, Andhra Pradesh, India

QUALIFYING EXAMINATIONS

IIT-JEE Rank: 2 (Gen.PD)

KEY COURSES TAKEN

Machine Learning, Design Practices in Computer Science, Introduction to Database Systems, Data Structures, Introduction to Probability and Statistics, Numerical Methods and Computation, Operation Research.

IIT DELHI THESIS

Advanced Functional Brain Imaging under Prof. Rahul Garg : JULY, 2017 - CURRENT

- Analysing fMRI data using matrix factorization algorithms and GLM analysis.

INTERNSHIP

EKO India Financial Services Pvt. Ltd. (MAY, 2016 – JULY, 2016)

- **Design and Development of Responsive Website and MongoDB Integration:**
 - OAuth based website allowing user identification and integrated MongoDB.
- **Money Transfer Web Application:**
 - Collaborated on Money Transfer Web Application with optimized workflow, user interface and algorithms for agents to transfer money from sender to recipient.
 - Integrated remittance APIs into project modules replacing string-formatted calls to database, thereby, removing security issues.
- Automated bulk file mailing using JavaMail API and Java Activation Framework.

PROJECTS

- **AI TAK game under Prof. Mausam** : JAN, 2017 - MARCH, 2017
 - Designed an AI bot as part of a contest which can play the game of TAK in 'adversary aware situations'.
 - Made use of Adversarial search algorithms such as Minimax and Alpha Beta Pruning for determining best possible moves for the bot in any state.
 - Many logical features such as stack/piece control, weights to different states were mathematically formulated, learned and incorporated yielding good results.
- **Machine Learning under Prof. Parag Singla** : JAN, 2017 - MAY, 2017
 - Experienced with using, implementing, and analyzing most textbook machine learning algorithms.
 - Experience in studying and implementing Deep Neural Networks in Image Recognition problems such as in traffic incident prediction.
- **Coding Contest Website for IIT Delhi** : AUGUST, 2016 - DECEMBER, 2016
 - Created a website using PHP and MySQL, which hosts Online Coding Competitions.
 - Designed a post-and-commenting blog feature to help discussions on competitions and shared projects
 - Implemented Elo rating system to maintain user ratings.
- **Query Base under Prof. Maya Ramanath** : JAN, 2017 - MARCH, 2017
 - Created a simple data query website using Postgresql, PHP and Python.
 - Secured student, course, instructor data by web scraping from IITD LDAP website.
 - Using string parsing of the queries. SQL and 'customized' queries can be entered.
- **Projects for the Differently Abled** : AUGUST, 2015 - CURRENT
 - Designed projects for helping of the Disabled: Image to Text and Text to speech Android Application for the Blind and Speech to text caller app for the Deaf.

HONOUR SOCIETY MEMBERSHIP

- Student lead of Developer Student Club - IIT Delhi chapter
- Member of Coding Club and Aeromodelling Club- IIT Delhi

AWARDS AND ACHIEVEMENTS

- **AMTI - 2010**: Secured position in top 10 percentile of The Association of Mathematics Teachers of India test in 10th Standard.
- **RMO - 2011** : Secured regional top position in Mathematics Olympiad.

COMPUTER SCIENCE / SOFTWARE ENGINEERING SKILLS

- **PROGRAMMING LANGUAGES**: C ,C++, Python(TensorFlow), Java
- **WEB TECHNOLOGIES**: PHP, JavaScript, HTML, CSS
- **SOFTWARE**: FSL(fMRI), Matlab, Autodesk, Android Studio

References available upon request.