Ankur **Mawandia**

SOFTWARE ENGINEER · RESEARCHER · MACHINE LEARNING ENTHUSIAST

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Experience

Amadeus IT Group
Bangalore, India

MEMBER OF TECHNICAL STAFF , DATA ENGINEER   *May. 2017 - present*

- Development of Amadeus Travel Intelligence portal, working on estimation and forecasting models for Traffic and Schedule
- Transform MIDT based booking data to create interactive dashboards highlighting business insights
- Create validation dashboards for Booking and travel data sanity
- ARIMA, ETS forecasting, Linear programming, Distribution problems
- Epic refinement, user story creation, Scrum master for a delivery team

Dfki GmbH(German Research Center for Artificial Intelligence)
Kaiserslautern,Germany

RESEARCH ASSISTANT AT EMBEDDED INTELLIGENCE (WWW.EI.DFKI.DE)   *Aug. 2015 - Dec. 2016*

- Algorithm development,human activity recognition using resistive pressure sensors and imu in matlab.
- Machine learning applications on sensor data
- Use Algorithms like SVM, Random forest, decision tree, knn for classification problems
- Image processing techniques on Historical document data, LSTM based training for OCR
- Design and maintenance for simpleskin.org, a European Union research project website under 7th framework. Support for all partners.

Technical University of Braunschweig, Wearable Computing Lab
Braunschweig,Germany

TEACHING ASSISTANT   *Aug. 2016 - Dec. 2016*

- Teaching assistant for Wearable computing Prakticum at wearable computing lab
- Designed and delivered a lecture to apply machine learning techniques with Matlab and statistical toolbox

Amadeus IT Group
Bangalore, India

SENIOR SOFTWARE ENGINEER   *Jun. 2012 - Feb. 2017*

- Worked on design and development of highly scalable and maintainable web based hotel and car booking system.(400000+ users)
- Worked in close association with marketing and product-definition teams to analyze and document product requirements.
- Delivered web based car booking solutions for Air France & Lufthansa airlines.
- Trained on agile methodologies and worked as a part of agile team.
- Mentored new comers as a part of on boarding process.
- Integrate user reviews as the part of existing products.

Ness Technologies
Bangalore, India

SOFTWARE ENGINEER   *Jun. 2011 - Jun. 2012*

- Undertook maintenance activity to support production bugs with strict service level agreements independently.
- Handle design improvement for "Selling Platform"; booking tool for travel agents.
- Deliver UI solution for shopping terminals for Avis

National Informatics Center
Hyderabad, India

RESEARCH STUDENT   *Jan. 2011 - Jun. 2011*

- Created working prototype for migration of a payroll system from .net to Java
- Created a mobile app for S40 devices , called "Mobile Gram Bazaar" which allowed rural sellers to sell products online
- Create internal tooling

Education

TU Kaiserslautern(Kaiserslautern University of Science and Technology)
Kaiserslautern, Germany

M.S. IN COMPUTER SCIENCE (ARTIFICAL INTELLIGENCE AND MACHINE LEARNING)   *Mar. 2015 - Apr. 2017*

- Course work in Artificial Intelligence, Deep neural networks, LSTM, CNN
- Neural networks, foundations and application
- Human computer interaction, Information visualization, Biologically motivated robots
- Project work on Historical Documents Image processing (Kalimachos): Project with Dr. Saqib Bukhari(Senior researcher DFKI)
- Master Thesis: Software Framework for application exploration with Smart Textile, Applying machine learning algorithms to solve human activity classification problems(Thesis supervisor: Prof. Jingyuan Cheng, Prof. Paul Luckowicz)

ICFAI University Dehradun (Faculty of Computer Science)   *Dehradun, Uttarakhand*

B.tech. in Computer Science and Engineering   *Aug. 2007 - Jun. 2011*

- Coursework in Computer science, Software engineering, Programming, Networking,Operating System
- Graduated in first division with GPA 7.48 / 10
- Member- Academic committee year 2007-2008 , Robota - campus robotics club

Saint Joseph's School   *Bhagalpur,India*

Indian school certificate examination, XII   *Mar. 2005 - Mar 2007*

- Course work in , Physics, Chemistry and distinction in mathematics
- Achieved first class with 81.9%
- Member in school choir

Saint Teresa's School   *Bhagalpur, India*

Indian School certificate examination, X   *Mar. 1993 - Mar. 2005*

- First class with 83% marks with distinction in computers
- Member of school marching band

Skill set

- **Languages**: Python(Scipy, numpy, matplotlib, scikit, pandas), Matlab(Statistics and machine learning toolbox), Java, Javascript, ES6, Tensorflow(CNN, LSTM, Transfer learning), Dl4j
- **Framework**: Spring, Struts, Play, Flask, Junit, Splunk
- **Frontend**: React, Ember, Nodejs, Webpack, Babel,HTML5, CSS3, Javascript, Angular, Jquery, JSP , Twitter bootstrap, handlebar, JSTL
- **Tools**: Bitbucket, Jira, Impala, Elastic search, GIT, Eclipse , Lint, Clearcase, Postgres Sql , ant, maven , Mysql, Jenkins

Languages

- **English**: Full professional proficiency(IELTS: 8.0)
- **German**: Basic proficiency(Neavieu: A2)
- **Hindi**: Mother tongue

Publication

- TPM Framework: A Comprehensive Kit for Exploring Applications with Textile Pressure Mapping Matrix(submitted in ISWC 2017)

References

- Available on request