

# MUNIRMAHEDI PAVIWALA

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## EDUCATION

<b>Postgraduate Diploma</b>   <i>Krea University, Sri City, India</i> Major: History CGPA: 9.05/10	<b>2023</b>
<b>Bachelor of Arts (Hons)</b>   <i>Krea University, Sri City, India</i> Major: Economics, Concentration: Philosophy, Business Studies CGPA: 8.76/10	<b>2022</b>
<b>Central Board of Secondary Education (Class 12)</b>   <i>Urmi School, Vadodara, India</i> Subjects: Economics, Accountancy, Business Studies, Political Science, English Overall Marks (Average): 90.5%	<b>2019</b>
<b>Gujarat Secondary and Higher Secondary Education Board (Class 10)</b>   <i>Shree C. A. Patel Learning Institute, Mota Fofalia, India</i> Subjects: Mathematics, Social Studies, English, Gujarati, Sanskrit, Science. Overall Marks (Average): 86.16%	<b>2017</b>

## RESEARCH EXPERIENCE

<b>Capstone Thesis for Postgraduate Diploma</b>   <i>Tracing Agricultural Expansion in India 1500AD to 1750AD</i> <ul style="list-style-type: none"><li>Collected environmental datasets to find statistically significant spatial cluster changes in geographical cropland use data using GIS packages in R</li><li>Finding relevant archival sources to construct a narrative for agricultural expansion of the area and tracing causal factors leading to expansion, including state interventions</li><li>Contributes to understanding of present-day agricultural sector in Indian economy</li></ul>	<b>Dec 2021 – Ongoing</b>
<b>Undergraduate Thesis</b>   <i>Hundi System in Medieval India: Perspective from Economic History</i> <ul style="list-style-type: none"><li>Compiled the narratives from various South Asian historians about the Hundi system to explore the questions of contract enforcement in Hundis</li><li>Brought forward new insights with methods of new institutional economics to explore the working of <i>sarrafs</i> – the issuers of Hundis</li><li>Contributes to ‘The Great Divergence’ debate to examine the aspect about financial instruments in the debate</li></ul>	<b>Dec 2021 – May 2022</b>
<b>KREA University – Dr. Gaurav Ghosh</b>   <i>Research Intern – METR calculation for India, 2018 to 2021</i> <ul style="list-style-type: none"><li>Explored and prepared guides for CMIE datasets – Prowess and Consumer Pyramid</li><li>Collecting the data and replicating the results of a 2018 study on Marginal Effective Tax Rates (METR) in India</li><li>Expanding the scope of the 2018 study to include the data from 2018 to 2021</li></ul>	<b>Jul 2022 – Sept 2022</b>

## PROJECTS – INTERACTIVE TIMELINES

### [English East India Company](#)

- Highlights major events about the EIC since its inception and its impact on British and Indian Economy

### [Portuguese in India](#)

- Charts major events from arrival of Vasco Da Gama to decline of Portuguese territory in 1961.

### [French, Danish, Ostend and Swedish Companies](#)

- Highlights major events about the EIC since its inception and its impact on British and Indian Economy

### [Tea, Coffee & Chocolate-Cocoa](#)

- Brings to light the global perspectives for historical explorations of the above three botanical products

### [Indian Economic History](#)

- Is a work-in-progress timeline.
- Tries to trace all major events from antiquity in Indian Economic history. Current version focuses more early modern period.

## VIDEO PROJECT – PUBLIC HISTORY

I plotted the data from environmental history datasets to track agricultural expansion from 10,000 BC to 2000 AD. Converted the plots into a video timeline for ease of access to others. Can be found at homepage of website and [here](#).

## SKILLS

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### Programming:

- Python (Pandas, statsmodels, Scikit-Learn, SciPy, NumPy, Selenium)
- R (tidyverse, sf, sp, raster, rgeos, shiny)
- Weka (Data Mining)

### Datasets:

- CMIE Prowess (Both DX and IQ)
- CMIE Consumer Pyramid
- World Bank Enterprise Survey
- HYDE (History Database of Global Environment)
- Bloomberg Terminal (PORT and related functions)

### Applications:

- Google Sheets & MS Excel (GScript & VBA)
- DaVinci Resolve
- MS Word & Google Docs
- LaTeX
- QGIS
- Zotero
- Slack & Discord
- NetLogo

### Languages:

- Gujarati (Native Proficiency)
- Hindi (Native Proficiency)
- English (Professional Working Proficiency)
- Urdu (Limited Working Proficiency)
- Arabic (Elementary Proficiency)

## WORK EXPERIENCE

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### GradRight | Intern

Jun 2021 - Aug 2021

- Researching to identify and collate multiple data sources, by deploying of web-scraping scripts and APIs
- Used K-means clustering models with NLP to create sub-categories of text data
- Cleaning messy data and merging the collected data for deployment

### GradRight | Intern

Jul 2020 - Aug 2020

- Researching and finding variables to predict the fundability of student education loans
- Deploying the findings with a fundability calculator

## LEADERSHIP EXPERIENCE

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### Member - Constituent Assembly

- Researching various student body organisation for designing the college student government
- Leading research and communication for the sub-committee on the core structure

### Founder - Pockit

- Setting up and automating delivery systems for more than 20,000 pin codes across India
- Setting up payment gateway, managing finances, and handling legal documentations

## EXTRACURRICULAR

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- IIMUN, NIMUN, GMUN, UMUN, VMUN – Delegate
- TCS Rural IT Quiz – School & District level participation (twice)
- ICAI Commerce Wizard Quiz – Merit Certificate for being amongst the top 250 students across India
- Commerce Quiz – School Representation to Finals (twice)
- Class Topper for National Science Olympiad – 9 times
- Class Topper for International Mathematics Olympiad – 6 times
- Class Topper for International English Olympiad – 4 times
- Chess Tournament – School representation in Khel Mahakumbh – Winner at Tehsil Level
- GK-IQ test – State Rank: 97